# Lancaster Farming

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During a ceremony at the Amos Funk Farm Market, Millersville, Governor Dick Thornburgh signed House Bill 1176 changing inheritance tax laws to encourage continued use of farmland for agricultural purposes. Attending the services were: left to right, Rep. Joseph Pitts, Gov. Thornburgh, and Sen. Richard A. Snyder. Back row: Secretary of Agriculture, Penrose Hallowell, Rep. Noah Wenger, Rep. Gibson Armstrong and Amos Funk.

## Governor visits county, signs H.B. 1176

BY DEBBIE KOONTZ

MILLERSVILLE — "Signing this bill will mark another step forward in the agricultural community to preserving the family farm," Gov Dick Thornburgh said Wednesday as he signed House Bill 1176 in a ceremony at the farm of Amos Funk, R1 Millersville.

This legislation changes the inheritance tax laws to encourage the continued use of farmland for agricultural purposes. It provides that farmlands and forestlands be taxed at use value rather than the market value for inheritance purposes, thus making it easier for farmers to pass their family farms from one generation to the next without prohibitive inheritance tax.

"In Pennsylvania, the pressures of urban sprawl, inflation, and taxation have been pushing families off the farm," Thornburgh said. "To reverse this trend, we have enacted a number of farm preservation initiatives.

"Members of family farm operations are often forced to sell their land for development because they cannot afford to pay the inheritance tax," Thornburgh said earlier in the week. "By valuing property for tax purposes at its farming use instead of its usually higher market value, we are making it more feasible financially to continue these family farm operations."

To be eligible under this legislation, land must have been in agricultural use for three years before the owner's death and remain that way for seven years afterward. And, according to the Department of Agriculture, the farmland must be at least ten acres in size or have a yearly anticipated gross income of $2000 from farming Forestlands must be at least ten continuous acres in size.

Also participating in the ceremonies were Secretary of Agriculture Penrose Hallowell, State

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## Full sisters by Elevation top Harvest sale at $29,000 each

LANCASTER — Two full sisters by Elevation, reported to be the highest record excellent pair ever sold at public sale, topped the Golden Harvest Sale at the Guernsey Pavilion Thursday at $29,000 each.

Anchor and Hope Elevation Sarah, EX-92, and Anchor and Hope Elevation Sunny, 2E-91, were brought into the ring together and auctioned as a choice or both.

Described as the "Now Generation" of the Holstein breed, they were purchased by Weir Stewart, Hillsdale,N Y They were consigned by Anchor and Hope Farm, Inc., and Charles McLaughlin, Port Deposit and Taneytown, Md.

As a five-year-old, Sarah has a 305-day projection of 25,700 lbs of milk and 1074 of butterfat Sunny, in 360 days, has a production record as a six-year-old of 34,700 lbs. of milk and 1439 butterfat at 4.15 test. A third full sister has 927 lbs. of fat in 10 months and is expected to be the third to top the 1,000-lb. mark.

The sisters were All-Ohio Produce of Dam in 1979 and 1980. Sarah is bred to Valiant and Sunny to Chief. Neither has been flushed.

Opening the sale, the sisters' bidding started at $10,000 and quickly moved to $21,000. Then more slowly, but still in $1,000 jumps, bids rose to the top offer of $29,000

The sale, attended by a standing-room-only crowd in the pavilion, could have been billed as an "Elevation Event" In all, 23 of his daughters and a son, plus 10 units of semen, went across the auction block.

The largest single consignor in the Golden Harvest Sale and the following Garden Spot Sale was Floyd M. Nolt, New Holland, with 23 head, 12 cows and 11 heifers.

Altogether, 147 head, including 11 bulls, were listed in the catalog.

Among other top leading sellers in the sales:

Andfar Astronaut Bountiful, VG-87, with a 365-day production record of 15,087

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### At Pa. Egg Council

## Feathers ruffled over spent hens

BY DICK ANGLESTEIN

LANCASTER — Spent hens and specifically how they may be marketed cooperatively in the Commonwealth in the future was a topic of lively discussion at a meeting of the Pennsylvania Egg Council on Wednesday at the Host Corral.

What was listed on the agenda as a discussion of "Improving Spent Hen Marketing" turned into a sometimes lively exchange between PACMA officials of the Pennsylvania Farmers' Association, which has been selling the hens through the FACTS marketing affiliate organization in Massachusetts, and the Fowl Sales Services, American Agricultural Marketing Association, American Farm Bureau Federation.

At the core of current attention apparently is an attempt by the Farm Bureau group to sign up Pennsylvania into its expanding national marketing program for spent hens.

Jim Wolf, Egg Council president, told members following the often cryptic PACMA and Farm Bureau presentations that he personally had been approached to enroll his operation at Stewartstown into the national program.

Other topics covered at the

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### Red Rose annual meeting

## DHIA sees butterfat record set

BY CURT HARLER

SMOKETOWN — A county record of 771 pounds butterfat established by the 44.6 cows in the Nelson H. Wenger herd was heralded at the annual meeting of the Lancaster County Dairy Herd Improvement Association held Tuesday afternoon.

The R6 Manheim herd of home-bred Registered Holsteins had a 4.1 percent test on 18,599 pounds milk. Details on Wenger's management program can be found on page B-2.

Top herd for milk was owned by Benuel Z. Lapp, R2 New Holland. Lapp's 65 cows produced 20,435 pounds milk on three times a day milking.

The Lapp herd of Registered Holsteins averaged 713 pounds butterfat. Seventeen percent of the herd consists of purchased cows.

Also producing over 20,000 pounds was the Paul H. Martin herd of Registered Holsteins. His 50 milkers made 20,049 pounds milk and finished second in the overall butterfat production list with 734 pounds production.

Martin farms at R1 Ephrata.

In the colored breeds, several repeat performances were recorded for the top herd average in the Red Rose Association.

Top Ayrshire herd is owned by Harold Shelly, R2 Manheim. His herd of 23 cows produced an average of 15,318 pounds milk and 621 pounds butterfat.

Leading the Brown Swiss records was the herd of Richard G. Wenger, R2 Manheim. His 77 cow herd averaged 13,300 pounds milk and 546 pounds butterfat.

K.D. and Else Linde, R1 Oxford, again had the top Guernsey herd in the County. A record of 13,565 pounds milk and 652 pounds fat put their herd of 66 cows at the top of the Golden Guernsey DHIA list.

Paul H. and Marvin Herr, R1 Holtwood, turned in the best production figures for Jerseys. Their 45 cow herd produced 12,453 pounds milk and 597 pounds fat.

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## Farm Show director resigns

HARRISBURG — Horace Mann was appointed Friday by Secretary of Agriculture Penrose Hallowell to serve as acting director of Farm Show in the wake of the resignation of Pennsylvania State Farm Products Show Director, Hugh Coffman.

Coffman resigned from the $29,600 a year post less than one month before the complex's biggest event of the year, Farm Show. His resignation becomes effective Tuesday.

Mann had previously served as director from 1964-1971. He will serve as temporary replacement for Coffman.

"This will be a temporary appointment until after Farm Show. A permanent director will be appointed at a later date," Hallowell said.

After serving as Farm Show director since May of 1979, Coffman will assume the position of administrative assistant to Congressman James Coyne of the 8th district, Bucks County.

"Hugh has done an excellent job of reorganizing Farm Show management and promoting many facilities which are available to the public at the Farm Show complex," Hallowell said.

"His tenure has seen an increase in the usage and value of the complex. While it is a disappointment to lose an administrator like Coffman, I am pleased for him in taking on additional responsibilities as top aide to Congressman Coyne."

Concerning his year and a half as Farm Show director Coffman remarked, "The experience has been enjoyable and unique. My only regret is that I won't be working for Penrose Hallowell anymore."

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# Livestock market and auction news

## Lancaster Market

**Monday, December 8**
**Report supplied by USDA**

| | Cattle | Calves | Hogs | Sheep |
|---|---|---|---|---|
| Today | 940 | 109 | 1127 | 179 |
| Last Monday | 775 | 76 | 702 | 46 |
| Last Year | 375 | 75 | 906 | 46 |
| Monday's Auction | 913 | 125 | 1350 | 179 |
| Last Monday's Auction | 774 | 109 | 967 | 46 |

CATTLE: Compared to last Wednesday's light supply, slaughter steers weak to 1.00 lower; slaughter heifers .50-1 00 higher; cows 2.00-3.00 lower, mostly 2.00-2.50 lower; bulls fully 1.00 higher.

SLAUGHTER STEERS: Choice few Prime 2-4 950-1350 lb. 950-1350 lb. 67.00-70.00, few 70.50-70.85; few Choice 3-4 1400-1500 lb 62.75-66.65; several lots choice 3 (muddy) 63.25-64.25; Good and Choice 2-3 65.60-67.50; Good 2-3 64.75-66.00; Holsteins mostly Good 2 1100-1300 lb. 59.75-63.50; few Standard 1-2 55.00-56 85.

SLAUGHTER HEIFERS. Choice few Prime 2-4 900-1100 lb. 64.00-67.00; Good 2-3 61.50-64.00; heiferettes 56.00-59.00.

COWS: Utility with few Commercial 1-3 44.00-47.00, few 47.25-47.50; Cutter 1-2 40.00-44.00; Canner and low Cutter, few 38.00-40 00.

BULLOCKS: Good and Choice 1-2 1000-1250 lb. 66.50-70.00.

BULLS: Yield grade 1 1100-1800 lb. 60.00-64.00, few 64.50-65.50; yield grade 2 1000-1600 lb. 57.25-60.00.

VEAL CALVES: No recent price comparison available.

VEALERS· Lot Prime 300 lb. 108.00; Good 95-110 lb 60.00-75.00, 60-75 lb. 50.00-65.00.

RETURN TO FARM. Holstein bulls 95-110 lb 100 00-109 00; Holstein heifers 95-110 lb 145 00-160.00.

SHEEP· Wooled lambs steady to 2 00 lower than last Monday

WOOLED LAMBS· Choice 95-110 lb. 62.00-64 50.

SLAUGHTER EWES Utility and Good, few 17.00-30 00

## Vintage Livestock

**Tuesday, December 9**
**Report supplied by USDA**

| | Cattle | Calves | Sheep |
|---|---|---|---|
| Today | 659 | 787 | 12 |
| Last Tuesday | 854 | 819 | 18 |
| Last Year | 842 | 660 | 48 |

CATTLE: Compared to last Tuesday slaughter steers and heifers steady to 1 00 higher; cows steady to 1.00 lower; not enough slaughter bulls and bullocks to establish a trend.

SLAUGHTER STEERS Choice including few Prime 2-4 1000-1300 lb 67.00-70.00, few 70.25-72 00; several Choice 3-4 1300-1450 lb. 64.35-67.60; choice 3-4 1100-1200 lb showing excessive fill 64.00-65.85; Good and choice 2-4 1000-1250 lb. 64.00-67.25; Good 2-3 62.25-66.80; Holsteins, mostly Good few choice 1-2 1300-1500 lb 58.75-61.75; few Standard 1-2 52.00-54.75.

SLAUGHTER HEIFERS: Few Choice 2-4 950-1100 lb. 63.00-65.25; couple lots Good 1-2 900-970 lb. 57.50-58.00.

COWS: Utility with few Commercial 1-3 45.00-48 00, higher dressing 48.50-50.00; Cutter 1-2 42.00-45.50; Canner and low Cutter 1-2 40.00-43.00.

BULLOCKS· No test.

BULLS: Few head yield grade 1 1000-1590 lb. 61 75-63.75; individual yield grade 2 1355 lb. 57.00

VEAL CALVES: Weights over 200 lb. not well tested, under 150 lb. steady to firm Supply included 476 in graded sale of which 74% sold to return to farm

VEALERS Good and Choice 80-110 lb. 65.00-70.00, 60-80 lb. 59.00-65.00.

SLAUGHTER CALVES Few mostly Choice steers and bulls 150-300 lb. 55.00-80.00, few 88.00-92 00

RETURN TO FARM· Holstein heifers 90-125 lb 136.00-172.00; Holstein bulls 90-125 lb. 95.00-106 00

SHEEP: Not well tested.

## Lancaster Auction

**Wednesday, December 10**
**Report supplied by USDA**

| | Cattle | Calves | Hogs | Sheep |
|---|---|---|---|---|
| Today | 468 | 38 | 1156 | 2 |
| Last Wednesday | 381 | 54 | 1023 | 17 |
| Last Year | 567 | 61 | 1549 | 15 |
| Wednesday's Auction | 314 | 41 | 1013 | · |
| Last Wednesday's Auction | 233 | 53 | 1025 | 17 |

CATTLE. Compared to Monday slaughter steers on a light supply .50 to mostly 1.00 lower on weights under 1300 lb., over 1300 lb near steady; slaughter cows steady to 1.00 higher, after few opening sales fully 2.00 higher; trends unestablished on other classes.

SLAUGHTER STEERS: Choice 2-4 1000-1250 lb. 65.75-67 50; Choice 3-4 1300-1450 lb. 64 00-66.85; few Good and Choice 2-3 64.00-65.50; few Good 1-2 1100-1500 lb. Holsteins 58.25-61.25.

SLAUGHTER HEIFERS: Few head Choice 3 1000-1150 lb. 63.25-65.60; lot low Good 2 1260 lb. 56.25.

COWS: Utility 2-3 44.50-48.00, few 48.75; Cutter 1-2 41.00-45 00; Canner and low Cutter 39.75-41.50.

BULLS: Few yield grade 1 1100-1600 lb. 61.75-64 50, couple 65 75-66.10; several yield grade 2 950-1300 lb 52 00-56.00.

VEAL CALVES Light supply not established.

SHEEP. Light supply not established

## New Holland Livestock

**Thursday, December 11**
**Report supplied by USDA**

CATTLE. 952. Compared to last Thursday slaughter steers steady to 1.00 lower; heifers not well tested last week; cows 3.00-4.00 lower, bullocks 1.00-2.00 higher, bulls unevenly steady on a limited test.

SLAUGHTER STEERS Choice few Prime 2-4 1000-1300 lbs. 66.00-68.75; few high Good low Choice 2 69.00-71.00; few Choice 4 1350-1550 lbs. 63.35-66.75; Good and Choice 2-3 63.85-66.50; Good 2-3 62.25-65.50; Holsteins Good 1-2 1100-1300 lbs. 58.00-61.00; Standard 1-2 55.00-58.00; several lots low Standard 1100-1300 lbs suitable as feeders 48.75-50.00.

SLAUGHTER HEIFERS: Few Choice 3-4 850-1100 lbs. 63.60-66.10; few Choice 4-5 950-1200 lbs. agey 56.00-60.00; few Good 2-3 800-900 lbs. 56.50-60.00.

COWS: Utility 1-3 42.00-45.00, higher dressing 46.00-47.75; Cutter 1-2 39.50-42.50; few Canner and low Cutter 35.00-38.00.

BULLOCKS. Good and Choice 1-2 1000-1300 lbs. 62.50-66.50, few 68.50-69.75.

BULLS: Few yield grade 1 1200-1400 lbs. 61.50-62.85, individual 2375 lbs. 61.75; yield grade 2 1000-1500 lbs. 55.00-57.25.

FEEDER STEERS. Several Medium 1 780-870 64.75-69.60.

VEAL CALVES: Vealers 3.00-5.00 higher.

VEALERS. Choice and Prime 150-300 lbs. 97.00-110.00; Good and Choice 250-350 lbs. 70.00-88.00, 110-125 lbs. 73.00-84.00, 80-110 lbs 68.00-78.00, 60-80 lbs. few 64 00-68.00.

RETURN TO FARM: Holstein bulls 90-120 lbs. 95.00-110.00; Holstein heifers few 90-120 lbs. 120.00-141.00.

SHEEP: Not enough last week for trend comparison.

WOOLED LAMBS Good and Choice 85-125 lbs. 56.00-61.00; few Choice 60-80 lbs 66.00-72.00; Bucks few 120-175 lbs. 20.00-26.00.

## Lancaster County Weekly

**Friday, December 12**

| | Cattle | Calves |
|---|---|---|
| This Week | 3400 | 1450 |
| Last Week | 2891 | 1712 |
| Last Year | 2529 | 1308 |

CATTLE Compared with previous week, slaughter steers and heifers steady to 1.00 lower; slaughter cows 1.00-4.00 lower, full decline late; bullocks firm to 2 00 higher on limited test; bulls steady to 1.00 higher on Yield Grade 1 1100-1500 lbs., Yield Grade 2 those weighing under 1100 lbs. showing weaker undertone. Supply of slaughter steers mostly Choice 2-3 1000-1300 lbs., Choice steers weighing over 1300 lbs. selling under moderately good demand. Supply included 50 percent steers, 8 percent heifers, 30 per cent cows, 8 per cent bulls with the balance feeder cattle.

SLAUGHTER STEERS: Choice including few Prime 2-4 1000-1300 lbs. 67.00-70.00 closing 66 00-68 50, several during week high Good and low Choice 1-2 to retail outlets 71.00-73.00; Choice 3-4 1300-1450 lbs. 67.00-67.00; Good and Choice 2-4 1000-1250 lbs. 64.00-67.25, Good 2-3 62.00-66.00. Holsteins Good, few Choice 1-2 1000-1300 lbs. 58.00-61.00, few 61.50-63.00; Standard 1-2 55.00-58.00, few lot Standard 1-2 suitable as feeders 48.75-50.00.

SLAUGHTER HEIFERS Choice 2-4 950-1100 lbs. 64.00-67.00, Good 2-3 60 00-64.00, several heiferettes 56.00-58.00.

COWS: Utility with few Commercial 1-3 closing 42.00-45.00, early 45.00-48.00, Cutter 1-2 late 39 50-42 50, Canner and low Cutter 35 00-38.00.

BULLOCKS: Choice 1-2 1000-1300 lbs. 67.00-70.00, Good and Choice 1000-1300 lbs. 62.50-67.00.

BULLS: Yield Grade 1 1100-1600 lbs. 60.00-64.00, few 65.50-66.10; Yield Grade 2 1000-1500 lbs. 56.00-60.00.

FEEDER STEERS Several Medium Frame No 1 780-870 lbs. 64.75-69.60.

VEAL CALVES: Vealers 3.00-5.00 higher. Vealers (closing prices) Choice and Prime 150-300 lbs. 97.00-110.00; Good and Choice 250-350 lbs. 70.00-88.00, 110-125 lbs. 73.00-84.00, 80-110 lbs. 68.00-78.00, 60-80 lbs. few 64.00-68.00.

RETURNED TO FARM (closing prices) holstein bulls 90-120 lbs. 95.00-110.00; holstein heifers 90-120 lbs 120.00-141.00.


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11 00 A M - Beef Sale
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3 30 P M Calf Sale

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# Hog Markets

## Indianapolis Hogs

**Thursday, December 11**
**Report supplied by USDA**

HOGS: 2000 - Barrows and gilts moderately active, opened 75 lower US 1-2 200-240 lbs. 46.00-46.25; few uneven lots 45.50

SOWS: 50 to mostly 1.00 lower on weights over 500 lbs., under 400 lbs. 1.00-1.50 lower. US 1-3 300-400 lbs. 38 00; 500-625 lbs. 41.50-42.00.

## Peoria Hogs

**Thursday, December 11**
**Report supplied by USDA**

HOGS: 4000 - Barrows and gilts 50 to mostly 1.00 lower.

BARROWS AND GILTS: US 1-2 200-240 lbs. 45.00-45.50; 150 head 46.00; US 1-3 [illegible]-240 lbs. 44.00-45.00.

SOWS: 50-1.50 lower. US 1-3 350-500 lbs. 38.50-39.00; 500-650 lbs. 39.00-40.00.

## Lancaster Hogs

**Lancaster Stockyards**
**Saturday, December 6**

970 hogs.

U.S. 1, 210-235 lbs. 51.00-53.50; U.S. 1&2 200-240 lbs. 48 85-49.25; U.S. 2&3, 200-250 lbs. 48.50-48.75, Hogs, 258-271, 46.00-48.85, Sows, 350 and up, 39.00-42.50; Boars, 200 and up, 35-37.50.

**Monday, December 8**

HOGS: Barrows and gilts 75-1.00 lower.

BARROWS AND GILTS: US 1 210-250 lb. 49.85-50.00; US 1-2 200-245 lb. 48.25-48.75; US 2-3 230-260 lb. 48.00-48.50.

SOWS: US 1-3 350-650 lb. 38.00-43.00.

**Wednesday, December 11**

HOGS: Barrows and gilts uneven, fully 1.00 lower.

BARROWS AND GILTS: US 1 210-250 lb. 48.00-49.50; US 1-2 200-245 lbs. 46.50-47.25; Lot US 2-3 257 lb. 44.75.

## Lancaster Feeder Pigs

**Tuesday, December 9**
**Report supplied by USDA**

| | |
|---|---|
| Today | 2122 |
| Last Tuesday | 1454 |
| Last Year | 1216 |

Compared to last Tuesday feeder pigs 8.00-15.00 lower, 20.00 lower on US 2-3 grades. All pigs weighed on arrival and sold by the hundred weight.

FEEDER PIGS: US 1-2. 30-40 lbs. 81.00-95.50; 40-50 lbs. 75.00-94.50; 50-60 lbs. 67.00-86.00; 60-70 lbs. 62.00-70.00; 70-80 lbs. 58.00-63.00.

US 2: 30-40 lb. 74.00-88.00; 40-50 lb. 60.00-80.00; 50-60 lb. 63.00-77.00; 60-70 lb. 52.00-64.00.

US 2-3: 20-30 lb. 49.00-60.00; 30-40 lbs. 46.00-54 00; 40-50 lbs. 51.00-65.00; 50-60 lbs. 45.00-58.00.

US 3: 40-50 lb. 39.00-48.00.

Utility: 20-40 lb. 25.00-47.00.

## Special Feeder Pig Sale

**Farmville, Va.**
**Thursday, December 4**
**Report supplied by VDA**

There were 2,807 head sold. All pigs were graded by Representatives of the VDACS's Division of Markets, Livestock Section on USDA standards and sold by the hundredweight.

US 1-2's: 30-39 lbs. 61 71; 40-49 lbs. 60.50; 50-59 lbs. 51.79; 60-60 lbs. 50.00; 70-84 lbs. 46.00; 85-100 lbs. 40.50; 100-130 lbs. 40.50.

US 3's: 30-39 lbs. 60.50; 40-49 lbs. 51.50; 50-59 lbs. 41.00; 60-69 lbs. 41.50; 70-84 lbs. 43.00; 85-100 lbs. 40.50; 100-130 lbs. 40.50.

Utility: 30-39 lbs. 28.00; 40-49 lbs. 30.50; 50-59 lbs. 30.50; 60-69 lbs. 33.50; 70-84 lbs. 33.50; 100-130 lbs. 37.50.

US 4's: 30-39 lbs. 28.00; 40-49 lbs. 30.50; 50-59 lbs. 30.50; 60-69 lbs. 33.50; 70-84 lbs. 33.50; 100-130 lbs. 37.50.

## New Holland Hogs

**Monday, December 8**
**Report supplied by USDA**

| | |
|---|---|
| Today | 1718 |
| Last Monday | 1226 |
| Last Year | 1882 |

TREND: Compared to last Monday barrows and gilts steady, late sales 25-50 higher.

BARROWS AND GILTS: US 1-2 200-245 lbs. 48.75-49.25, late sale 49.00-49.60; US 200-240 lb. 49.25-49.85, some lateup to 50.50; Package US 2-3 225 lb. 48.35.

## St. Louis Hogs

**Thursday, December 11**
**Report supplied by USDA**

HOGS: 6000 - Early sales barrows and gilts 50 lower.

BARROWS AND GILTS: US 1-2 200-230 lbs. 45.50-46.00; 230-250 lbs. 45.00-45.50; US 2-3 250-270 lbs. 43.50-44.00.

SOWS: Uneven steady to 1.50 lower, decline mainly on weights over 500 lbs. US 1-3 300-500 lbs. 37.50-38.50; few 450-500 lbs. 39.00; over 500 lbs. 40.00-41.00.

## East Coast Carlot

**Wednesday, December 10**
**Report supplied by USDA**

Compared to Tuesday's close: Prime special fed veal not well tested early, however; generally steady undertone indicated. Good and Choice boning veal steady with bulk of yesterday's sales. Boneless beef weak in narrow test.

**VEAL CARCASS**
**HIDE ON**

Prime (Special Fed): Hide on, 50 head, 180-240 lbs. few 150.00.

**BONING TYPE**
**GOOD AND CHOICE**
**HIDE ON**

Northeastern Suppliers: 65-75 lbs. 98.00-100.00, all most steady; 55-64 lbs. 96.00-98.00; 45-54 lbs. 94.00-96.00; 35-44 lbs. 92.00-94.00; 34 lbs. down 90.00-92.00.

Inshipped: No sales reported.

**BONELESS BEEF**
**3 Loads**

90 pct chem lean fresh 125.00.

75 pct chem lean fresh 101.00.

**CURED AND PROCESSED MEATS**
**10 Loads**

Semi-Boneless Hams: 14-17 lbs. 114.00, firm.

Boneless Hams 13-17 lbs 142.00, steady.

No. 1 Sliced Bacon, Vacuum Pack, 1 lb. pkg. 114.00 weak.

Franks, 70 Beef, 30 Pork, 1 lb. Pkg. 99.00 steady

# Chicago Grain Futures

(Closing Bids as of Thursday Dec. 11)

| | Corn | Wheat | Soybeans | Soybean Meal |
|---|---|---|---|---|
| Dec. | 3.43 | 4.28 | | 206.50 |
| Jan. | | | 7.32 | 214.50 |
| March | 3.58½ | 4.56½ | 7.66 | 222.50 |
| May | 3.64¼ | 4.65½ | 7.95½ | 237.70 |

Trend - Corn is lower, Wheat is lower, Soybeans are lower, Soybean Meal is lower.

**Market Provided by Commodity Department**
**Dean Witter Reynolds, Inc.**

# Futures Trading

(Closing Bids as of Thursday, Dec. 11)

| | Chicago Cattle | Chicago Hogs | New York Maine Potatoes |
|---|---|---|---|
| Dec. | 64.30 | 46.65 | |
| Jan. | 65.40 | | |
| Feb. | 67.55 | 50.25 | |
| Mar. | | | 12.50 |
| Apr. | 69.65 | 51.37 | 15.00 |

Trend - Cattle are lower,, Hogs are lower. Potatoes are lower.

**Market Provided by Commodity Department**
**Dean Witter Reynolds, Inc.**

# U.S. Inspected Livestock Slaughter

**Estimated Daily Livestock Slaughter**
**Under Federal Inspection**

| | CATTLE | CALVES | HOGS | SHEEP |
|---|---|---|---|---|
| Week to Date | 501,000 | 37,000 | 1,449,000 | 83,000 |
| Same Period Last Week | 506,000 | 40,000 | 1,509,000 | 91,000 |
| Same Period Last Year | 464,000 | 42,000 | 1,453,000 | 77,000 |

Market courtesy of USDA.

# Interest and Poland send futures dipping

LANCASTER — Significant dips this week in both commodity and livestock futures are reflecting investor concern over rapidly rising interest rates and the continuing tension in Poland.

As the prime interest rate again passed the psychological barrier of 20 percent, futures moved in the opposite direction. Continuing concern over the Polish situation and the likelihood of an Iron Curtain grain embargo in the event of a Russian invasion helped cause the futures to plummet.

Dropping quotes in the commodity market helped pull the livestock markets down.

Closing quotes on Thursday generally showed these decreases from the previous week·

Corn - Down about 30 cents.

Wheat - Down about 60 cents.

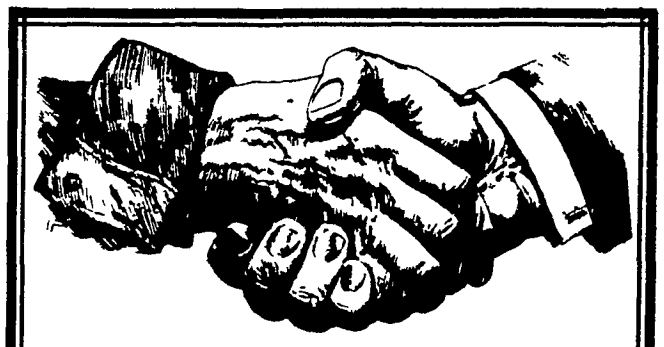
Soybeans - Down about $1.30.

Soybean Meal - Down about 40.00 to 45.00 a ton.

Cattle - Down from 2.30 to 3.60.

Hogs - Down 3.20 to 5 00.

Potatoes - Down about 1.30

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# Poultry Markets

## Weekly New York Egg Market

From Friday, Dec. 5 to Dec. 11

| | Fri. | Mon. | Tues. | Wed. | Thurs. |
|---|---|---|---|---|---|
| **WHITE** | | | | | |
| Jumbo | 90 | 90 | 90 | 90 | 87 |
| Ex Large | 87 | 87 | 87 | 87 | 84 |
| Large | 87 | 87 | 87 | 87 | 84 |
| Mediums | 84 | 84 | 84 | 84 | 81 |
| Pullets | 69 | 69 | 69 | 69 | 69 |
| **BROWN** | | | | | |
| Jumbo | 1.02 | 1 02 | 1.02 | 1 02 | 1.00 |
| Ex Large | 99 | 99 | 99 | 99 | 97 |
| Large | 97 | 97 | 97 | 97 | 95 |
| Mediums | Unquoted | | | | |
| Pullets | Unquoted | | | | |
| Peewees | Unquoted | | | | |
| **Off Grade** | | | | | |
| Large | 80 | 80 | 80 | 80 | 75 |
| Checks | 50 | 50 | 50 | 50 | 47 |

Tone Large barely steady Balance medium easy.
Copyright 1980 by Urner-Barry

## Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

| Classification | Net Weight Per Case | Dec. 9 Tuesday | Dec. 11 Thursday |
|---|---|---|---|
| Class 1 - Large | 48 lbs. | 70 | 68 |
| Class 2 - Large | 45 lbs. | 68 | 65 |
| Class 3 - Medium | 42 lbs. | 64 | 64 |
| Class 4 - Small | 39 lbs. | 57 | 57 |
| Breaking Stock | 48 lbs. | 57 | 55 |
| Checks | 48 lbs. | 52 | 50 |

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## N. E. Weekly Shell Egg Report

Tuesday Dec. 9
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

| | Ex. Large | Large | Medium | Small |
|---|---|---|---|---|
| MASS.+ | 99-1.06 | 97-1.03 | 95-1.01 | 69-75 |
| Mostly | 1.01-1.04 | 99-1.01 | 97-99 | 71-73 |
| N. HAMP. | 94-1.01 | 92-99 | 90-97 | 64-71 |
| Mostly | 96-99 | 94-97 | 92-95 | 66-69 |
| R.I. | 1.03-1.04 | 1.01-1.02 | 99-1.00 | 73-74 |
| VERMONT | 1.01-1.05 | 99-1.03 | 97-1.00 | – |
| Mostly | 1.03-1.05 | 1.01-1.03 | 99-1.00 | – |
| MAINE | 1.01-1.02 | 99-1.00 | 97-98 | 71-72 |

+ Includes Central and Western Sections only.

## Fogelsville Poultry

Fogelsville, Pa.
Tuesday, December 9
Report supplied by USDA

(Prices paid dock weights, cents per pound, except where noted)

HENS, LIGHT TYPE: range .05-.08, mostly .08.
HENS, HEAVY TYPE: range .15-.35, mostly .30.
PULLETS: range .44.
ROASTERS: range .44.
FRYERS: range .42.
DUCKS: range .30-.78, mostly .70.
GEESE. range .75
RABBITS: range .20-1.05, mostly .95.
GUINEAS: range 1.45.
PIGEONS. pair range 1.75-3.50, mostly 1.50
TOTAL COOPS SOLD: 250

## Philadelphia Eggs

Wednesday, December 10
Report supplied by USDA

Prices unchanged; cartoning demand fair; offerings fully adequate on all sizes; market barely steady.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons, delivered; store door.

A Extra Large 87-90; A Large 86-88; A Medium 82-84.

## Valley Livestock

Valley Stockyards
Athens,Pa.
Monday, December 8
Report supplied by auction

Reported receipts of 122 cows, 34 bulls, 521 calves, 28 heifers, 7 steers, 204 hogs, 33 lambs, 2 sheep. Cattle market reported steady, calf market reported steady.

Holstein Heifer Calves to 172 50; Veal Calves to 94.00; Bobs, 90-110 lbs. 70.00-96.00; Bobs, 80 and down lbs. 58.00-62.00; Grassers & Feeders 45.00-63.00; Lambs 52.00-60.00; Sheep 18.00-30.00; Hogs, 200-250 lbs. 46.00-48.00, Top 51.50; Sows 34.00-33.00; Boars 30.00-37.00; Pigs 5.00-25.00; Heifers 46.00-50.00; Steers medium 52.00-57.50; Steers, feeder 51.00-68.00; Bulls 50.00-56.50; Cows, utility 46.00-48.00, Top 50.00; Cows, fat 42.00-46.00; Cows, medium 41.00-43.00; Cows, poor or small 34.00-40.00; Horses to 570.00; Ponies to 195.00; Goats 15.00-42.00.

## New Holland Horse

Monday, December 8
New Holland Sales Stables
Report supplied by auction

Reported receipts of 274 head of horses, mules, and ponies. Market steady

Driving horses 350.00-600.00, one load 800.00-1850 00; Riding horses 375.00-500 00, several 550 00-785.00; Lightweight killers 425.00-475.00, some down to 300.00, Heavyweight killers 500.00-700.00; Colts 25.00-50.00; Larger ponies 125.00-175.00; Ponies 45.00-80.00; Two Quarter Horses 940.00-110.00

## Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, December 9
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .60-.76.
MUSCOVY DUCKS, HENS: range .40-.52.
PEKING DUCKS: range .40-.62.
CAPONS: 10-13 lbs. range .60-.64.
PULLETS: 6-10 lbs. range .40-.54.
RED FOWL: 4-5 lbs. range .12-.18.
RED FOWL: 5-7 lbs. range .32-.38.
CROSSBREED ROOSTERS: 9-11 lbs. range .20-.42.
CROSSBREED ROOSTERS: 4-8 lbs. range .40-.62.
GUINEAS: range .85-1.15
GEESE. 12-15 lbs range .62-.82.
GEESE: 9-11 lbs. range .42-.60.
TURKEYS. range .40-.52.
PIGEONS. range .58-1.00 ea.
WHITE PIGEONS: range 2.35-2.75 ea.
RABBITS. 4-6 lbs. range .70 .92.
RABBITS: 7-10 lbs range .55-.72.
TOTAL COOPS: 713.

## Eastern Pa. & N.J. Poultry

Wednesday, December 10
Report supplied by USDA

Prices higher on light type at farm and plant Offerings short on fair buying activity.

Lightweight at farm .13-14, mostly .13½- 14.

FOB plant .16-.17.

Heavyweight: TWTR

## Baltimore Eggs

Wednesday, December 10
Report supplied by USDA

Cartoned eggs: prices to retailers, state graded (min. one case sale) white.

| | |
|---|---|
| Grade A Large | 90-92 |
| Grade A Medium | 87-80 |

## Delmarva Poultry

Wednesday, December 10
Report supplied by USD

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 48½-51; Plant Grade 48-50, Premium X U.S Grade A 55.00

WTD. AVERAGE U S Grade A 50.18; Plant Grade 49,09; Premium X U S Grade A 53.00.

(X) - Includes special services, selected competitive brands etc

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HORSE SALE HELD 3rd SATURDAY OF THE MONTH
Market your cattle & hogs the auction way.
Sale every Monday 2 P.M.
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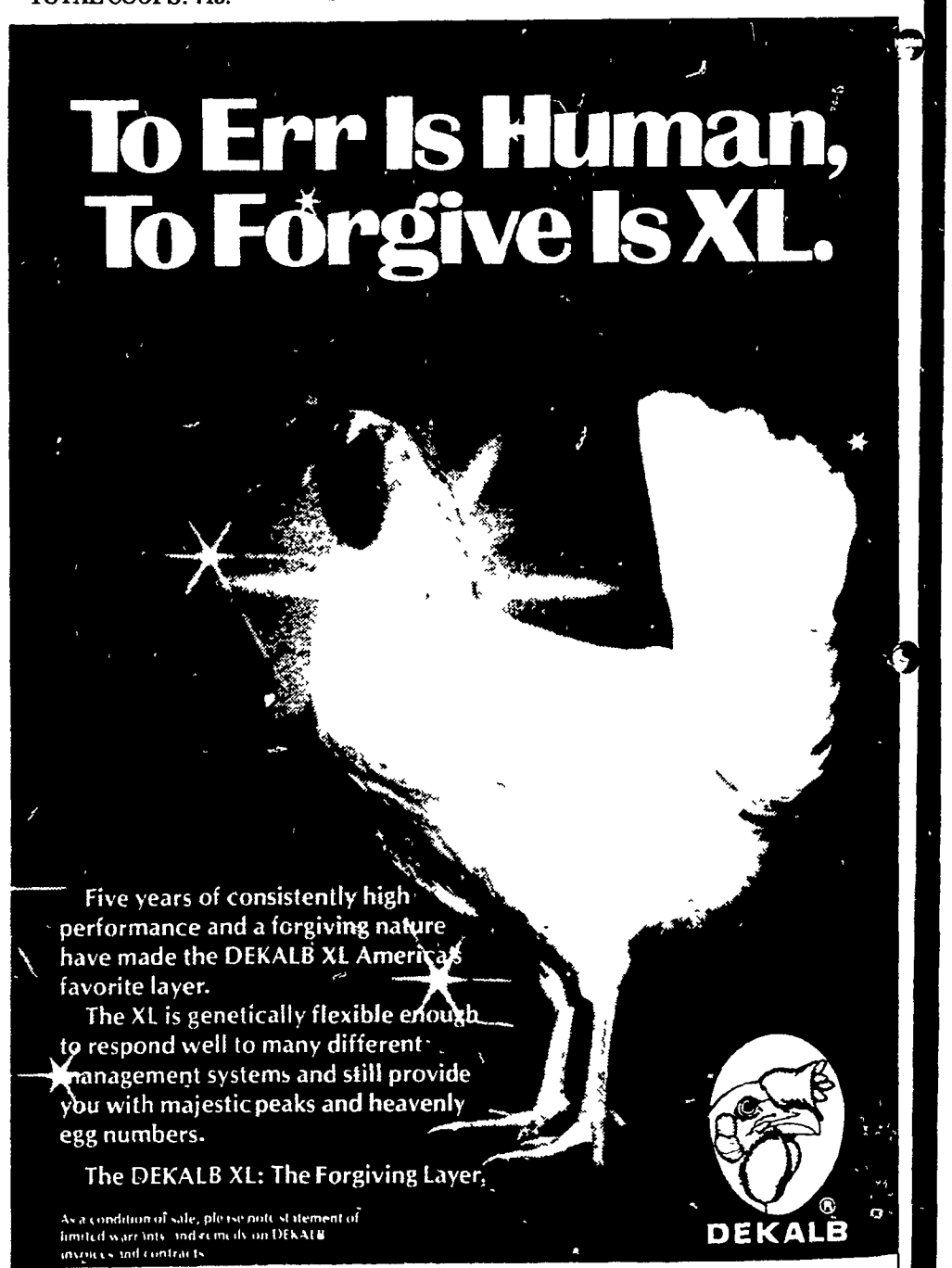
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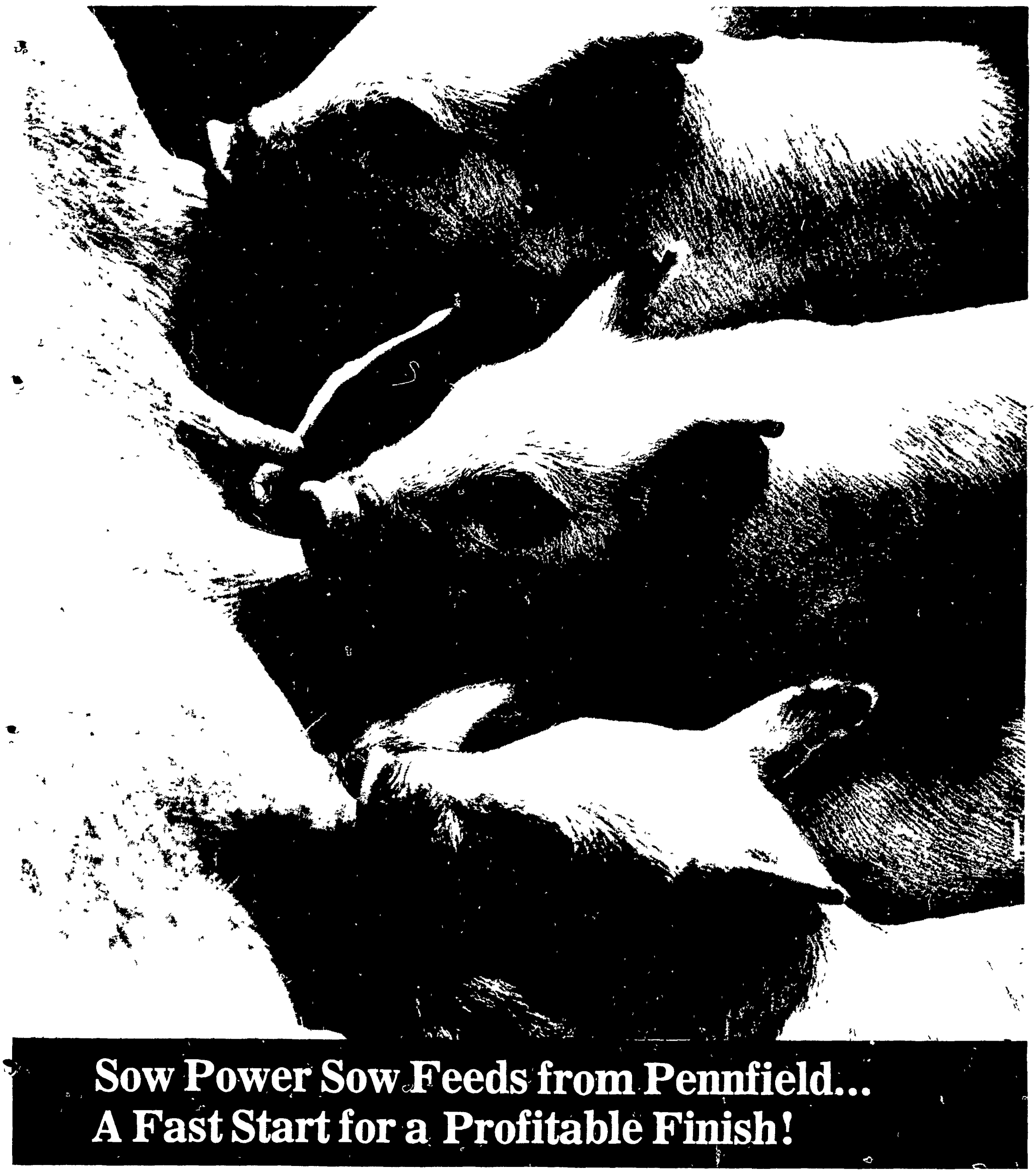

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# Livestock market and auction news

# Hay Markets

## Vintage Hay

**Vintage Sales Stables**
**Thursday, December 11**
**Report supplied by auction**

16 loads.

Alfalfa 120.00-140.00; Mixed 92.00-115.00; Timothy 81 00-110 00; Straw 56 00-63 00

## New Holland Hay

**New Holland Sales Stables**
**Monday, December 8**
**Report supplied by auction**

162 loads.

Alfalfa 91 00-185 00; Timothy 80 00-106 00; Mixed 41 00-151 00; Straw 47 00-63 00; Corn 101.00-128.00

## Good's Hay

**Leola, Pa.**
**Wednesday, December 10**
**Report supplied by auction**

97 loads

Alfalfa 133 00-146.00, one at 175 00; Timothy 98.00-109.00, Mixed 98.00-122.00, one at 137 00; Straw 56.00-70 00; Corn 108 00-128.00; Corn Fodder 44 00-49.00; Oats 2.55 bu

## Green Dragon

**Friday, December 5**
**Ephrata, Pa.**
**Report supplied by PDA**

70 loads hay and 21 loads straw

Alfalfa 95.00-145.00, few to 170.00; Mixed hay 76.00-155.00, mostly 86.00-111.00; Timothy hay 90 00-111.00, few to 122.00; Straw 53 00-67.00; Ear Corn, 11 loads 123.00-139.00; Corn Fodder, 3 loads 49.00-62.00; Oats, one at $2.80 per bushel.

## Regional Hay

**Friday, December 5**
**Report supplied by PDA**

(All hay No. 2 and better, prices paid by the dealer at the farm and per ton).

Hay & Straw steady to strong.

Alfalfa 80.00-100.00; Mixed hay 60.00-80.00; Timothy hay 55.00-70.00; Straw 45.00 60.00; Mulch 25.00-45.00

## New Wilmington Hay

**Friday, December 5**
**Report supplied by PDA**

34 loads hay and 1 loa straw.

Alfalfa, few 87.50-110 00 Mixed hay 62.00-81.00, wit some 2nd cutting to 115.00 Timothy hay, few 46 0( 75 00; Clover, few 58 0( 80.00; Straw, one load a 70 00

## Four States Livestock

**Hagerstown, Md.**
**Wednesday, December 3**
**Report supplied by auction**

SLAUGHTER: Fed Steers Good run, $1.00 higher Choice 66 00-68 50; Good 61 00-65 00; Medium 60 00 Down Heifers Good 46 00-49 10; Medium 45 00 Down Cows $2 00 over two wks. ago, but 1.00 under last wk. High Yield 47 00-49 50; Average 43.00-46.00; Big Middle 39.00-42.00; Fatty Herf. 35 00-38 00; Shelly 40.00 Down Fat Bulls $1 00 higher. Good 55.00-58 35; Medium 50.00-54 00. Veal Calves Heavy Clfs $2.00 higher; Light Clfs $3 00 lower Choice 94 00-99 00; Good 85 00-93 00; Medium 75.00-84 00; Farm Hfrs to 160 00, Farm Bulls to 90 00; Light & Weak 60 00 Down Lambs steady prices Choice none offered Good 49 00-52.50, Medium 48 00 Down

STOCKER Steers 300-550 lbs $1 00-2 00 higher. Choice 69 00-73 00, Good 63 00-68.00, Medium 55 00-62 00; Culls 54 00 Down Steers 600-850 lbs Choice 63 00-68 00, Good 55 00-62 00; Medium 54.00 Down Heifers (All Weights) Choice 55 00-62 00; Good 48 00-54.00; Medium 47.00 Down Bulls Choice 60 00-64.00; Good 51.00-69 00; Medium 50.00 Down Dairy Cows to $850.00 Pigs, Hd. Steady prices 20-30 lbs 7.00-17 00; 40-60 lbs 18 00-27.50 Shoats by Lb. to 40.00 Slaughter Hogs Steady prices 210-230 lbs 47.50-48 10, 240-260 lbs. 46 75-47 50; 190-205 lbs 41 75-45.50, 300-400 lbs 43 00-46 00 Sows 300-600 lbs 39.00-42 50; Thin Sows 28 00-38.00

## Carlisle Auction

**Carlisle, Pa.**
**Tuesday, December 2**
**Report supplied by auction**

CATTLE: STEERS: Choice 69 75-70.25; Good 66.00-68.50, Standard 61.00-64 50; Utility 52 50-59 00. HEIFERS: Good 64 50-65.00; Standard 57.00-60.00; Utility 52.00. COWS: Utility & Commercial 44.00-46.50, Ind. 50 00; Cutter 40.00-45.00. Canner & Low Cutter 38.00-42.00.

FEEDER STEERS: 55.50-60.00.

CATTLE HEIFERS: 48 50-58.50

CALVES: VEALERS: Choice 88.00-100.00; Good 75.00-93 00; Standard & Good 70.00-85.00.

FARM CALVES Hol Bulls 90.00-109.00; Hol Heifers 140 00-182 50

HOGS: US No 1-2 47.00-49.85; US No. 1-3 45.25-48.50; US No. 2-3 43.75-45.00; US No. 2-3 39.00-42.00. SOWS. US No. 1-3 43 00-45 25, No 2-3 38.75-42.00; Boars 30.25-35.00

SHEEP LAMBS Good 52 00-56.00

## Central U.S. Carlot

**Wednesday, December 10**
**Report supplied by USDA**

Compared to Tuesday's 4:30 report: Choice 3 steer and heifer beef steady to 1.00 lower, instances 2 00 lower on steers. Choice 4 steer beef 2.00 higher late. Demand and trading light to moderate for moderate supplies Packers remain bullish, processor interest mostly for current deliveries The boxed beef carcass cutout value declined $.46 per cwt. to $107 16. Sales reported on 136½ loads of steer and heifer beef

**STEER BEEF**
**100½ Loads**
FOB Omaha Basis

Choice 3 600-900 lbs 100 00-102.00, stdy-1 00 lower, mst 101 00-102 00, inst 2 00 lwr

Choice 4 600-900 lbs 88 00-90 00, late 90 00, 2 00 higher late

Choice 2-3 600-900 lbs 98.50 (Hols type)

Good 2-3 600-900 lbs 99 00 steady

Good 2-3 600-900 lbs. 95 50 (Hols type)

FOB Amarillo Basis

Choice 3. 600-800 lbs. 102 00

Choice 2-3 500-700 lbs YG 3 101.00-104 00; YG 2 102 50-105 00

Choice 4 600-900 lbs 90.50

Good 2-3 600-900 lbs. 99.00

**HEIFER BEEF**
**36 Loads**
FOB Omaha Basis

Choice 3 500-700 lbs. 99.00-100.00, stdy-1.00 lower

Choice 4 500-700 lbs 88 00 steady

Good 2-3 500-700 lbs 97 00 steady

FOB Amarillo Basis

Choice 3 500-700 lbs 100.00

Good 2-3 500-700 lbs 97 00

Cow beef 1.00-2 00 lower Demand and trading very light

**COW BEEF**
**7 Loads**
**FOB Omaha Basis**

Utility 450 & up lbs. 73.50 (West), 1 00 lower (BKRG) 3-4

Utility 400 & up lbs. 79.50, mostly 2.00 lower (BNG) 2-3, (West & South East).

Cnnr & Cttr 350 & up lbs. 83.50 (Mid-East) 1.00 lower 1-2.

FOB Amarillo Basis

Utility 400 & up lbs. 79.50 (West) mstly 2.00 lower (BNG) 2-3

**BULL BEEF**
**1 Load**
FOB Omaha Basis

Bull 500 & up lbs 95 50 (West).

**PRIMAL BEEF CUTS**
**4 Loads**
**FOB Omaha Basis**

FORES 130-210 lbs 92 00-92 50

SHORT PLATES 58.00

**BONELESS PROCESSING BEEF/BEEF TRIMMINGS**
**6 Loads**
FOB Omaha Basis

50% chem lean fresh 65.00, 2 00 lower

50% chem lean frozen 65.50.

Compared to Tuesday's 2:15 report: Fresh pork loins 14-17 lbs. mostly steady, 17-20 lbs. 50-2.00 higher, 20 & up lbs. 50-1.00 lower Boston butts 4-8 lbs .50 higher, 8 & up lbs. steady Fresh hams 14-20 lbs uneven, but mostly steady, instances 2 00 lower on 17-20 lbs., 20-26 lbs. steady, 26 & up lbs. 1.75-3.00 lower. Sdls bellies steady-mostly 2.00-3 00 lower Trading active; demand moderate. Sales reported on 95 loads and 23½ loads of trimmings and variety meats.

**FRESH PORK CUTS**

LOINS 14/dn lbs. 91.25-91 50; 14-17 lbs 89 00-90.50, one load 88.00, mostly steady; 17-20 lbs 86 50-88.00, 50-2 00 higher, 17-22 lbs 86 00-88 00; 20&up lbs 79.50 50-1 00 lower

BOSTON BUTTS 4-8 lbs 80 50 50 higher, 8&up lbs 79.00 steady.

SKINNED HAMS: 14-17 lbs 85 00-91 00, uneven, mostly steady, mostly 90.00-91 00; 17-20 lbs 78.00-81 50, uneven, mostly steady-2.00 lower; 20-26 lbs 71.00 steady; 26&up lbs 64 00-65.25, 1.75-3.00 lower

BELLIES, SDLS 12-14 lbs. 52 50-55.00, mostly 2 00 lower; 14-16 lbs 52.50-55.00, mostly 2.00 lower; 16-18 lbs. 52 00-53 00 steady; 18-20 lbs. 46 00-47 50, 2 00-3 00 lower

BNLS CT BUTT 1½-3 loads 117 00

**VARIETY MEATS**

STOMACH, SCALDED sm box 19 00; lrg box 17 50

EARS 25 50

LIVERS: Domestic 19 00.

SKINNED JOWLS: frozen 40 00.

**PORK TRIMMINGS BONELESS PROCESSING PORK**
**(Chemical Lean)**

42% lean trimmings frzn 46.50

72% lean trimmings fresh 80.50.

72% lean trimmings frzn 83.00.

72% bnls picnics frzn 88.00.

## Dewart Auction

**Dewart, Pa.**
**Monday, December 8**
**Report supplied by PDA**

CATTLE 2081. Compared with last Monday's market, slaughter cows 50 cents-$2 lower. Few High Choice & Prime slaughter steers 60.85-66 35, Choice 2-4, 1050-1300 lbs slaughter steers 62.50-66.50, few Good 58.75-61.75. Few Choice slaughter heifers 55.75-64.00. Utility & Commercial slaughter cows 44.50-48.85, couple to 50.00, Cutters 43.00-46.75, Canner & Low Cutter 38.75-42.00. Few Good slaughter bullocks 55.00-55 50. Yield Grade No. 1, 900-1690 lbs. slaughter bulls 45.60-55.00. Few Medium Frame #2, 250-450 lbs. feeder steers 62.00-71.00; few Medium Frame #2, 250-350 lbs. feeder heifers 49.00-58.00.

CALVES 263. Bulk of supply returned to farm. Individual Prime vealer at 107.00, few Choice 89.00-95, few Good 75.00-87.50, Standard & Good 70-95 lbs. 66.00-70, few Utility 50-80 lbs. 50.00-64.50. Farm Calves: Hol. Bulls 85-125 lbs. 70.00-96; few Hol. Heifers 80-90 lbs. 70.00-80.00, few 90-115 lbs. 135.00-180.00.

HOGS 485 Barrows and gilts #1-2 about steady, 2-3's $1-$2 lower. US No. 1-3 2-240 lbs. barrows and gilts 48.60-49 50, No. 1-3 2-250 lbs. 46 25-48.00, No. 2-3, 215-265 lbs 43 00-45 00, 260-290 lbs 38 00-39.50, No 1-3 140-180 lbs 37 50-41 50 US No. 1-3 3-580 lbs. sows 39 00-43.00, No. 2-3 3-600 lbs. 35.00-38 00. Boars 33 00-37.00.

FEEDER PIGS 492. US No. 1-3 15-20 lbs. feeder pigs 7.00-12.50 per head, No. 1-3 2-35 lbs. 10 50-18.50, No. 1-3 35-50 lbs. 17.00-25.00 per head, No 1-3 50-75 lbs. 23.50-30.00 per head.

SHEEP 12. Few Choice 80-90 lbs. wooled slaughter lambs 56.00-61.00, few Good 70-85 lbs 50.00-55 00.

## Peoria Cattle

**Thursday, December 11**
**Report supplied by PDA**

Weekly Cattle Summary: Compared to last week slaughter steers and heifers closed the week .50 to 1.00 lower Cows sold under pressure and finished 2.00 lower Bulls 1.00 to 2.00 lower Trade on slaughter steers and heifers only moderate at best both Monday and Wednesday Demand continues good on YG 2-3 consignments, light on consignments with increase, percentage YG 4 Receipts this week, 4200, last week 5435, and 4065 a year ago.

SLAUGHTER STEERS: Choice 2-4 1000-1250 lbs 64.00-65.50, 3 loads 1100-1150 lbs 66 00 on Monday Consignments mostly 3-4 62.50-64.00 Mixed Good and Choice 2-4 1050-1300 lbs. 62 50-64 00, few 1100-1300 lbs holsteins 58.00-59.00, Good 61.00-62.50.

SLAUGHTER HEIFERS Choice 2-4 900-1050 lbs. 62.50-63.50, few loads and small lots 64.00-64.50 during the week. YG 3-4 61.50-62.50 Mixed Good and Choice 61.50-62.75, Good 60.00-62 00

COWS. Utility and Commercial 2-3 39.00-45.75, closing 39.00-43.50, Cutter 37 00-42 50. Canner and Low Cutter 35.00-40 00

BULLS YG 1-2 45.00-53 00, closing 46.00-50.00, few carrying excessive finish 43 00

## Shenandoah Valley Livestock

**Harrisonburg, Va.**
**Saturday, December 6**
**Report supplied by auction**

STOCKER, FEEDER, AND SLAUGHTER CATTLE: Good Light Steer Calves 71.00-77.00; Medium 66.00-71.00; Plain 61.00 and down; Good Heavy Steers 69.00-74.75, Medium 64.00-69.00; Plain 59.00 and down; Holstein Steers 56.00 and down; Good Slaughter Steers 63.00-65.75; Medium 58.00-63.00; Plain 53.00 and down; Good Light Heifer Calves 55.00-59.50; Medium 50.00-55.00; Plain 45.00 and down; Good Heavy Heifers 64.00-66.00; Medium 59.00-64.00; Plain 54.00 and down; Slaughter Cows 45.00-48.00; Utilities 40.00-45.00; Canners & Cutters 39.00 and down, Milk & Stock Cows 710.00 and down; Stock Bulls 56.00 and down; Slaughter Bulls 56 50 and down.

CALVES: Veal Calves 87.00 and down, Baby Calves 86.00 and down.

SHEEP & LAMBS. Choice Blue O 60 00; Good Red O 55 00; Feeder Lambs 46.00-58 00; Slaughter Ewes 24.50 and down.

HOGS: Top 46.80; Heavy 44.00; Medium 38.25; Light 35.25; Sows 40.00 and down; Boars 36.40; Butcher Hogs 44.50.

**HAULING NATIONWIDE**
Ray R Harbold
Rd 1 Box 95
Hershey, PA 17033
PH 717-964-2248
or 717-569-2061

**HOLIDAY SCHEDULE FOR NEW HOLLAND SALES STABLES, INC.**
New Holland, Penna.

Monday, Dec. 22 - Sale as usual
Wed., Dec. 24, Christmas Eve - No Sale
Thurs., Dec. 25 - Merry Christmas
Wed., Dec. 31 - Sale as usual
Thurs., Jan. 1 - Sale as usual

**GREEN DRAGON LIVESTOCK SALES**

Dispersal of Ely Brothers, Washington Co., PA.

**DECEMBER 19, 1980**

Consisting of 100 Holstein cows in all stages of lactation

Fresh, bred back and springing, good producing herd. Herd has not been over fed.

Pregnancy examined, vaccinated for shipping fever. Cows will suit any dairyman.

**Walter Risser,** Prop.
717-733-2444
717-838-4318



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# Livestock market and auction news

## Lebanon Valley Auction

**Fredericksburg, Pa.**
**Tuesday, December 9**
**Report supplied by PDA**

CATTLE 225. Compared with last Tuesday's market, slaughter cows highly uneven. Few Choice No. 2-4 960-1345 lbs. slaughter steers 65.00-69.50, few Good 58.75-66.00, few Standard 50.00-58.10, few Good & Choice 59.25-63.00, few Utility 42.00-49.10. Choice No. 2-4 900-1165 lbs. slaughter heifers 62.60-64.75, one at 65.60, few Utility & Standard 40.75-48.00. Utility & Commercial slaughter cows 45.00-47.75, few 49.85, one at 50.75, few Commercial No. 3-4 44.00-45.85, Cutters 43.75-46.25, Canner & Low Cutter 39.25-44.00, Shells down to 30.00 Standard slaughter bullocks 49.00-54.75, few to 56.50. Few Yield Grade #1 1125-1885 lbs slaughter bulls 54.00-58.00.

CALVES 235. Vealers unevenly steady. Few Choice vealers 93.00-98.00, few Good 78.00-80.50, Standard & Good 66.00-71.00, 60-90 lbs. 60.00-67.00, Utility 50-100 lbs. 53.00-60.00. Farm calves, holstein bulls 80-120 lbs. 82.00-103.00; holstein heifers 80-175 lbs. 120.00-189.00

HOGS 300. Barrows & gilts unevenly steady. US No. 1-2 200-240 lbs. barrows & gilts 48.00-48.50, lot 47.25, No. 1-3 200-245 lbs. 47.00-47.85, No. 2-3 190-255 lbs. 46.25-46.75, few 260-300 lbs. 40.25-45.25. Sows strong to $1.50 higher. US No. 1-3 280-480 lbs. sows 75-42.50, few to 44.00, No. 2-3 280-700 lbs. 34.75-41.00, few down to 30.75. Boars 33.00-35.00.

FEEDER PIGS 52. US No. 1-3 10-20 lbs. feeder pigs 4.00-11.00 per head, No. 1-3 25-35 lbs. 52.00-56.00 cwt., lot No. 1-3 50 lbs. 47.50 cwt.

SHEEP 9. Few Good & Choice 75-120 lbs. wooled slaughter lambs 45.50-51.50, one at 56.00. Slaughter sheep 27.50-31.00, one yearling at 41.00.

## G&M Livestock

**Duncansville, Pa.**
**Monday, December 8**
**Report supplied by auction**

Compared to last week, market report cows lower, steers weak, hogs steady.

STEERS: High Choice and Prime 65.00-67.85; Good to Choice 60.00-65.00; Standard to Good 54.00-60.00.

HEIFERS. High Choice and Prime 63.00-65.60; Good to Choice 56.00-63.00; Standard 48.00-56.00

FEEDERSTEERS: Good to Choice 300-500 lbs. 50.00-74.00; Hol. Heifers 300-400 lbs. 85.00-102.00.

BULLS. 1200-1908 lbs. 56.00-63.90; 900-1200 lbs. 48.00-56.00.

COWS: High Choice to Prime 47.00-49.00, ind. 50.00; Good to Standard 45.00-47.00; Utility 42.00-45.00; Cutters 38.00-42.00; Canners Down to 30.00.

CALVES: High to Choice 85.00-99.00; Good to Choice 75.00-85.00; Standard to Good 55.00-70.00.

FARM CALVES. Hol. Bulls 85.00-106.00; Hol. Heifers 125.00-187.50.

FEEDER PIGS: 15-25 lbs. 15.00-22.00; 25-50 lbs. 22.00-33.00.

HOGS: 200-240 lbs. 47.50-49.10; 170-300 lbs. 44.00-47.50

SOWS. 38.00-45.50.

BOARS: 28.00-36.00.

LAMBS: 45.00-58.00.

SHEEP: 15.00-28.00.

## Martinsburg Auction

**Martinsburg, Pa.**
**Monday, December 8**
**Report supplied by auction**

CATTLE 180. Choice slaughter steers 63.00-66.00, Good 60.00-62.50, Standard 56.00-60.00, Utility 53.00-55.00. Good slaughter heifers 60.00-63.50, Standard 56.00-58.00, Utility 45.00-51.00. Utility & Commercial slaughter cows 48.00-51.00, Cutters 44.00-46.50, Canner & Low Cutter 38.00-43.00, Shells down to 32.00. Good slaughter bullocks 60.00-63.00, Standard 55.00-58.00, Utility 50.00-54.00. Yield Grade #1 slaughter bulls 57.00-63.00; yield grade #2 52.00-56.00.

CALVES 385. Choice vealers 88.00-95.00, Good 82.00-90.00, Standard & Good 90-110 lbs. 70.00-74.00, 70-90 lbs. 60.00-63.00. Utility 55-100 lbs. 50.00-62.00. Farm calves, holstein bulls 90-120 lbs 90.00-107.00; holstein heifers 85-130 lbs. 100.00-172.00.

HOGS 451. US No. 1-2 200-240 lbs. barrows & gilts 48.00-49.00, No. 1-3 200-250 lbs. 46.00-47.00, No 2-3 260-270 lbs. 45.00-46.00, No. 1-3 130-185 lbs. 40.00-45.00. US No. 1-3 300-500 lbs. sows 41.00-45.00, No. 2-3 300-650 lbs. 38.00-41.00. Boars 33.50-37.00.

FEEDER PIGS 125. US No. 1-3 20-35 lbs. feeder pigs 8.00-23.50 per head, No. 1-3 35-50 lbs. 23.50-35.00 per head.

SHEEP 9. Slaughter ewes 18.00-22.50.

## Pa. Grain

**Monday, December 8**
**Report supplied by PDA**

Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn highly uneven, 15 cents lower to 10 cents higher. Wheat unevenly steady. Barley steady to 15 cents higher. Oats steady to 30 cents higher. New Ear Corn highly uneven, $2 lower to $10 higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

**Southeastern Pa.**

Corn No. 2-y range 3.70-3.90, few reported down to - 3.60, average 3.76; Wheat No. 2 range 4.25-4.85, average 4.52; Barley No. 3 range 2.40-2.85, few reported 3.25, average 2.68; Oats No. 2 range 2.20-2.30, few reported 2.50, average 2.30; Soybeans No. 1 range 7.42-8.05, average 7.78; Grain Sorghum No. 2 range 2.90, average 2.90; Buckwheat range 8.00, average 8.00; New Ear Corn range 92.00-100.00, few reported to 110.00, average 100.29.

**Central Pa.**

Corn No. 2-y range 3.60-3.90, few reported down to - 3.45, average 3.73; Wheat No. 2 range 4.00-4.50, few reported to 4.75, average 4.29; Barley No. 3 range 2.30-2.50, average 2.40; Oats No. 2 range 2.00-2.30, average 2.14; Grain Sorghum No. 2 range 3.50, average 3.50; Buckwheat range 8.00, average 8.00; New Ear Corn range 85.00-100.00, average 96.75.

**South Central Pa.**

Corn No. 2-y range 3.55-3.75, average 3.64; Wheat No. 2 range 3.80-4.40, mostly 4.00-4.05, average 4.04; Barley No. 3 range 2.20-2.35, few reported 3.15, average 2.39; Oats No. 2 range 1.90-2.30, few reported 2.60, average 2.18; New Ear Corn range 80.00-100.00, average 90.13.

**Western Pa.**

Corn No. 2-y range 3.20-3.65, average 3.40; Wheat No. 2 range 3.90-4.00, average 3.95; Barley No. 3 few reported range 2.10, average 2.10; Oats No. 2 range 1.70-2.10, average 1.84.

**Southeastern, Central & South Central Summary**

Corn No. 2-y range 3.60-3.90, average 3.73; Wheat No. 2 range 4.00-4.75, average 4.34; Barley No. 3 range 2.20-2.75, average 2.52; Oats No. 2 range 2.00-2.30, average 2.20; New Ear Corn range 84.00-105.00, average 96.15.

## St. Louis Cattle

**Thursday, December 11**
**Report supplied by USDA**

| | |
|---|---|
| Receipts This Week. | 6,200 |
| Week Ago: | 6,400 |
| Year Ago: | 5,000 |

Compared to the previous week's close, slaughter steers fully 1.00-1.50, instances 2.00 higher except Holstein steers steady. Slaughter heifers firm to .50, instances 1.00 higher. Cows 3.00-4.00 lower. Bulls weak to 1.00 lower. Slaughter supply mainly Choice and Mixed Choice and Prime 2-4 1050-1200 lb. Steers, around 35% heifers and 15% cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1275 lbs. 63.50-66.00, closing 65.50-66.00; 3-4 1030-1275 lbs. 62.00-62.50. Choice 2-4 950-1300 lbs. 62.50-65.50, closing 64.00-65.50; 2-3 1000-1075 lbs. 64.50-66.00, closing 65.50-66.00. Mixed Good and Choice 2-4 900-1200 lbs. 61.50-64.00. Good 2-3 900-1150 lbs. 60.00-63.00. Standard to Good 2-3 1050-1350 lbs Holsteins 54.00-59.00

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1050 lbs. 61.50-63.50, closing 62.75-63.50; 3-4 900-1075 lbs 59.00-60.00; 4-5 875-1010 lbs. 55.25-56.50. Choice 2-4 800-1050 lbs 60.50-62.50, closing 61.00-62.50 Mixed Good and Choice 2-3 700-1000 lbs. 59.50-61.00. Good 2-3 700-950 lbs 57.50-59.50

COWS Closing week sales Utility and Commercial 2-4 38.00-41.00 Boning Utility 1-2 41.00-43.00, few 43.50. Cutter 1-2 37.00-41.00 Canner and Low Cutter 1-2 34.00-37.00.

BULLS: Yield Grade 1-2 1050-1800 lbs. 50.00-54.00. Individual outstanding yield grade 1 56.00.

FEEDERS: (Including around 2,000 at the regular Thursday auction.) Feeder Steers steady to 2.00 lower, decline mainly on weights under 600 lbs. Feeder Heifers steady to 3.00 lower, full decline on weights under 500 lbs. Supply mainly medium frame 1 and Mixed 1-2 400-700 lb. Steers and 300-700 lb. Heifers.

FEEDER STEERS: Medium frame 1: 350-475 lbs. 70.50-77.50, mostly 72.00-75.25; 500-600 lbs. 70.00-74.00; 600-700 lbs 68.25-73.25; few lots 775-900 lbs 65.25-67.75.

Medium Frame 1-2 and some Small frame 1. 350-575 lbs 63.00-68.50, mostly 65.00-68.00; 700-750 lbs. 62.75-65.75.

Large Frame 2 Holsteins: Couple lots 450-600 lbs. 53.00-54.75, lot 875 lbs. 51.00.

FEEDER HEIFERS: Medium Frame 1. 300-500 lbs 61.00-65.00; 500-600 lbs. 60.75-64.00; 600-700 lbs 58.25-60.75; 700-825 lbs. 54.00-58.00.

Medium Frame 1-2 and some small frame 1: 350-450 lbs 53.75-56.75; 500-600 lbs. 55.00-59.25; 600-725 lbs. 53.75-56.25.

## Lancaster Feeder Cattle

**Friday, December 5**
**Report supplied by USDA**

| | |
|---|---|
| Today | 349 |
| Last Friday | 328 |
| Last Year | 837 |

TREND: Not enough of any one weight or grade for an adequate market test, but higher undertone noted. Bulk of supply sold in lots of four or less with 160 head in graded sale.

FEEDER STEERS: MEDIUM FRAME 1: 10 head 396 lb. 70.00; 10 head 725 lb. 69.75.

MEDIUM AND LARGE FRAME 1: 23 head 470 lb 83.00.

SMALL AND MEDIUM FRAME 1. 855-925 lb. 64.50-66.10.

HOLSTEINS LARGE FRAME 2: Lot 825 lb. 52.25.

FEEDER BULLS: SMALL AND MEDIUM FRAME 1: 12 head 395 lb. 63.50.

FEEDER HEIFERS: MEDIUM FRAME 1: 360-425 lb. 57.75-58.75.

## Hunter's Auction

**Monday, December 8**
**Report supplied by auction**

FEEDER HEIFERS: Good to Choice 46.00-52.00; Other 42.00-47.00.

COWS: High Choice to Prime 48.50-50.75; Good to Standard 47.25-48.50; Utility 46.75-47.00; Cutters 43.75-45.00; Canners 40.50-43.50.

CALVES: Prime 200-300 lbs. 80.00-91.00; High to Choice 140-180 lbs. 72.00-86.00; Good to Choice 120-140 lbs. 74.00-88.00; Standard to Good 90-115 lbs. 70.00-87.00; Utility 75-85 lbs. 62.00-80.00; Low Utility 65-75 lbs. 40.00-58.00; few 64.00-70.00.

FEEDER PIGS: 20-25 lbs. $8 to $14 by hd.; 30-40 lbs. $16 to $24 by hd.

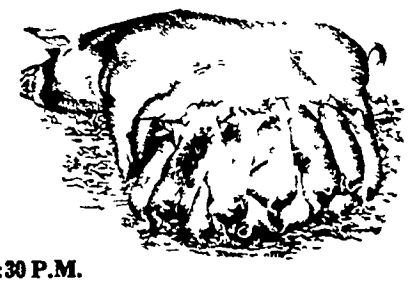
HOGS: 185-225 lbs. 44.00-47.50.

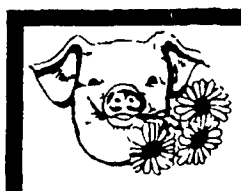
SOWS: 39.00-40.50

BOARS: 36.00-38.00.


**HAY AUCTION**
**EVERY FRIDAY - 1:30 P.M.**
HORSE AUCTION - 7:30 P.M.
**BEIL'S SALES**
1 Mi. North of York Springs on Rt. 15
717-334-7224, David W. Martin

**SATURDAY, DECEMBER 27**
ON THE FARM MONTHLY
**BRED GILT SALE**
Sale to start promptly at 1:00
Every 4 weeks
Located 18 miles south of Lancaster, PA, 6 miles south of Quarryville, take Rt. 272 to Little Britian, turn north, follow Little Britian Rd. to Jackson Rd. 2nd farm, OR Take Rt. 222 out of Quarryville to Cedar Hill Rd. to Little Britian Rd. to Jackson Rd. Watch for sale arrows.
50 to 60 Head
more or less
2 & 3 Way Crossbred Gilts
York & Hampshire & Duroc
Due to farrow 3 days to 4 weeks after sale date. Now everything vaccinated for both Lepto & Erysipelas, wormed and sprayed for lice.
Local trucker available.
No hogs sold on commission
CHRIST A. BEILER
RD 2, Quarryville, PA
JOHN B. STOLTZFUS
Abe Diffenbach
Auctioneer
NEXT SALE DATE - FRIDAY, JAN. 23

**NEW HOLLAND SALES STABLES, Inc.**
12 Miles East of Lancaster
on Route 23, New Holland, Penna.
WEEKLY FEEDER PIG SALE EVERY WEDNESDAY

Sale to Start at 1:30 P.M.
We Will Receive Your Pigs Anytime
From 7 A.M. Wed. Morning
State Graded Until 12 Noon.
All pigs inspected by State Approved Veterinarian.
State tags available at our office for you to tag pigs at home to save 25 cents tagging charge.
Tags delivered if you call 717-354-4341 our office in advance.
Calf Sale To Be Held
Every Thursday At 3:30 P.M.
NORMAN KOLB 717-397-5538
ABE DIFFENBACH 717-393-4464


"Since 1959"

**PORK CHOP FARM**
RD#2 Box 122
New Holland, Pa. 17557
717-354-9557
- Brucellosis Free Herd 127
- Entire herd tested
- Pseudorabies Free Herd 20
- Lepto Free and T.B. Negative.

We have the finest pedigreed herd of Chester White Brood Sows in the Eastern United States.
We have 200 Brood Sows in total confinement including Gestation Crates and Slatted Floors.
We farrow weekly and can supply "Sound-Meaty-Healthy" Breeding stock at all times.
*"Chester Whites" — "The Durable Mother Breed"*
Production Sale for 1981
June 12 November 13

# Livestock market and auction news

## THE OLD FARMER'S ALMANAC

DEC. 15-21, 1980

**Don't let your fire expire**

Winter begins Dec 21 at 11 56 AM Chicago's Mayor Richard Daley died Dec 20, 1976 Full moon Dec 21 Average length of days for the week, 9 hours, 4 minutes Last Civil War veteran died Dec 19, 1959 Battle of the Bulge began Dec 16 1944

*Keep your tastes aristocratic your actions democratic*

**Ask the Old Farmer** Could you help me locate the origin of the superstition of looking over one's left shoulder at a crescent new moon and wishing? M C Santa Fe, N M

*Prehistoric instinct In looking to the left a man is in a better position to heave a spear at a skulking enemy*

**Home Hints** A piece of charcoal in your toolbox will help prevent tools from becoming rusty

OLD FARMER'S WEATHER FORECASTS

**New England:** Sunny and cold to start, snow north, weekend brings 8" to 12" snow

**Greater New York-New Jersey:** Cold at week's start, with snow midweek changing to rain, weekend is warmer

**Middle Atlantic Coastal:** Week begins with few showers southeast, snow west, lighter east, and warming midweek, weekend brings rain

**Piedmont & Southeast Coastal.** Cold, cloudy, flurries west beginning of week, middle through end of week is clearing and mild

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## Belleville Auction

**Belleville, Pa.**
**Wednesday, December 10**
**Report supplied by PDA**

CATTLE 137. Compared with last week's market, slaughter cows $1-$2.50 lower. Individual Good slaughter steer at 60.75, few Standard 52.50-55.00. Utility and Commercial slaughter cows 41.75-45.85, couple to 47.60, Cutters 40.50-43.85, Canner and Low Cutters 37.00-40.00, Shells down to 31 00. Few Yield Grade No. 1, 1000-1660 lbs. slaughter bulls 45.00-56.00. Few Medium Frame #2, 4-450 lbs. feeder steers 47.50-53.00.

CALVES 152. Bulk of supply returned to the farm. Individual Choice vealer at 98.00, few Good 75.00-86.00, Standard and Good 70-95 lbs. 62.00-68.00. Farm Calves. Hol. Bulls 85-135 lbs. 70.00-113, mostly 90.00-105.00; few Hol. Heifers 100-125 lbs. 137.50-175.00.

HOGS 291. Barrows and gilts $1.25-$1.75 lower. Us no. 1-2 2-235 lbs. barrows and gilts 37.00-47.35, No. 1-3 2-240 lbs. 45.35-46.50, No. 2-3 240-260 lbs. 43.85-44.60. US No. 1-3 3-650 lbs. sows 40.00-48 00, No. 2-3 275-635 lbs. 38 00-41 00. Few Boars 31 50-35 00.

FEEDER PIGS 446 US No. 1-3 20-35 lbs feeder pigs 17.50-25 50, per head, No 1-3 35-55 lbs. 23.50-32 00, No 2-3 60-100 lbs. 29 50-35.00 per head.

SHEEP 9. Few Choice 100 lbs. wooled slaughter lambs 57.00-60.50. Few Slaughter ewes 15.50-27.00. HOLSTEIN DAIRY COWS $750-$1440, couple to $1590.00.

## Joliet Cattle

**Wednesday, December 10**
**Report supplied by USDA**

CATTLE: Friday through Wednesday's salable receipts 7,000; 5 days last week 5,161 Slaughter Cattle, 244 Feeders; same period a year ago 6,338 Trading was slow for the week. Slaughter Steers ended the week mostly 1.25 to 2.00 lower Slaughter Heifers ended the week mostly 1 00 to 1.50 lower. Cows ended the week 2 00 to mostly 3.00 lower

SLAUGHTER STEERS: Mixed high Choice and Prime 3-5 1150-1300 lb 64.50-65.50 Monday, 64.00-65.00 Wednesday, mostly TG 4, few 5, 64 00-64.50 Monday, 63 50-64 00 Wednesday Choice 2-3 1100-1225 lbs. 3½ loads 66 00 Monday, 64.75-65 00, 2 loads 65.25 Wednesday. Choice 2-4 1050-1300 lbs. 64.50-65.50 Monday, 64.00-65 00 Wednesday Mixed Good and Choice 2-3 1000-1250 lbs 63 00-64.50 Monday and Wednesday Choice Holsteins 1225-1475 lbs 59.00-60 00 Monday, few 58 50 Wednesday

SLAUGHTER HEIFERS Mixed Choice and Prime 3-4 900-1100 lbs 63 00-64 00 Monday, 63 50-63 75 Wednesday, mostly YG 4, few 5, 62.00-63.00 Monday; 63.75 Wednesday. Choice 2-4 900-1050 lbs. 62.50-64 00 Monday; 62 00-63.50 Wednesday Mixed Good and Choice 2-3 800-1000 lbs. 61.50-62.75 Monday; 60 50-62 00 Wednesday

COWS· Cutter & Utility 1-3 38.00-43 00 Monday, 36 00-41 00, few 41 50 Wednesday

## Omaha Cattle

**Thursday, December 11**
**Report supplied by USDA**

Midweek prices on slaughter steers were 50-1.00 lower with mixed 3-4 usually showing greatest decline. Heifers were 50-75c lower, instances 1.00 off. Cows closed 3.00-4.00 lower and bulls were 1.00-2.00 lower.

Four day receipts this week 14,500; last week 14,400; year ago 11,800.

The fed cattle trade followed a rather uneven pattern; prices advanced moderately on the opening session as supplies were reduced by hazardous roads over the trade area. The early upturn was more than erased on later sessions, however, as marketings expanded and carcass trading turned bearish yield grade was again often the major price determining factor with best demand for consignments with a minimum of yield grade 4. Marketings were slightly larger than the previous week, but were somewhat better distributed over the trading period. The overall finish of the steer and heifer supply was mixed 3-4 and some carried a moderate amount of mud. Steers made up approximately 43 pct., heifers 31 pct., cows 9 pct. and feeders 15 pct.

STEERS: Early, four loads Choice and Prime 3 with end 4 1200-1246 lbs. 66.50-66.75. At midweek, load Choice and Prime 3 with end 4 1205 lbs. 65.50, two loads Choice 3 1146 lbs. 65.25. Choice 2-4 predominantly 3, 1050-1250 lbs 64.00-64.75. Consignments large share 4 1125-1275 lbs 61.00-63 50. Mixed Good and Choice 2-4 1025-1250 lbs 63.00-64 00 Good 2-3 61.00-63 00. Good and Choice 2-3 1200-1350 lbs holsteins 60.00-60.50.

HEIFERS Several loads Choice and Prime 3-4 1000-1204 lbs 64.00-64 50 forepart of week. At midweek, Choice 2-4 900-1100 lbs 61.75-63 00, some with increased percentage 4 61 00-61 50 Mixed Good and Choice 2-4 875-1025 lbs. 61.00-62.00. Good 2-3 59.00-60.50.

Average of LS-214 detailed quotations for Choice 900-1100 lbs steers 64 75, 1100-1300 lbs. 64 55, average cost steers this week 64.71, average weight 1187 lbs as compared 63 87 and 1190 lbs. a week ago. Average cost heifers 62.79, average weight 1039 lbs. as compared 62.09 and 1035 lbs. a week ago

COWS. Utility and Commercial 2-4 39.00-41.00, few 41 50-42.00. Cutter 38.00-40.00, Canner and Low Cutter 35 00-38.00.

BULLS. 1-2 1200-2100 lbs. 48.00-52.00, few individual 1 53.00-54.00.

## Chambersburg Auction

**Thursday, December 11**
**Report supplied by PDA**

CATTLE: 408. Compared with last Thurs. market: Slaughter steers steady-1.00 lower. Sl. cows 2.00-4.00 lower. Sl. steers: Choice 1050-1350 lbs. 64.75-67.50; Good 60.00-64.50; Standard 53.00-58.50. Sl. heifers: few Choice 61.85-65.60; few Good 58.00-66.50. Sl. cows: Utility & Commercial 41.25-46.25; Cutters 39.75-43.75; Canner & L. Cutter 36.50-41.75; Shells down to 25.00. Sl. bullocks: few Choice 58.60-61.00; few Good 54.00-57.50. Sl. bulls. few Yield Grade No 1, 1100-1675 lbs 51.75-58.75.

FEEDER CATTLE: Large Frame no. 2, 250-500 lbs. 56 00-64.00

CALVES: 566. Vealers grading Choice 3.00-5.00 lower, Standard & Good steady. Few Prime 93.00-94.50; Choice 83.00-92.00; Good 71.00-82.00; 70-100 lbs. 62.00-70.00. Utility 50-100 lbs. 45 00-60.00.

FARM CALVES Hol. Bulls 80-130 lbs. 70.00-114.00, mostly 85.00-105 00; Hol Heifers 90-250 lbs 94.00-150 00

HOGS 110 Barrows and gilts 1.00-1.50 lower. No 1-3 210-240 lbs. 45.75-46.35, one lot No. 2-3 270 lbs. at 40.00. US No. 1-3 300-475 lbs 36 00-40.00. Boars 31 00-35.00.

FEEDER PIGS 114 US No 1-3 20-35 lbs 16.00-24.00 per head; No 1-3 40-45 lbs. 25.00-28.50.

SHEEP: 17. Few Good & Choice 70-80 lbs. 53.50-56.00

## Indiana Auction

**Thursday, December 11**
**Report supplied by PDA**

CATTLE: 130. Compared with Thurs. market, Sl. cows 2.00-3.00 lower. Sl. steers: couple Choice at 64.50, Good 58.00-62.00; few Standard 52.00-54.00; few Utility 45.00-48.00. Sl. cows: Utility & Commercial 42.00-45.00, Cutters 38.00-42.50; Canner & L. Cutter 35.00-39.50. Sl. bulls: few Yield Grade No. 1, 1050-1450 lbs. 52.00-56.50.

CALVES 120. Vealers steady. Few Choice 95.00-97.00; few Good 80.00-90.00; Standard & Good 90-120 lbs. 65.00-78.00; 70-90 lbs. 60.00-68.00; Utility 55-130 lbs. 40.00-50.00. FARM CALVES: Hol. Bulls 80-125 lbs. 85.00-105.00; Hol. Heifers 75-120 lbs 85.00-117.00.

HOGS: 145. Barrows and gilts 1.00-2.00 lower. No. 1-3 200-240 lbs. 44.00-46.25; No. 2-3 250-290 lbs. 40.00-43.75; No. 1-3 130-170 lbs. 35.00-38.00; Sows US No. 1-3 300-500 lbs. 42.00-45.00. Boars 30.00-32.00.

FEEDER PIGS 30. US No. 1-3 30-35 lbs 8.00-13.00 per head; No. 1-3 45-55 lbs. 14 00-16.00.

SHEEP. 20. Wooled Sl lambs one lot Choice 65.00, Good 80-90 lbs 57.00-59.00. Sl ewes. 9.00-14.50.

## New Holland Dairy

**New Holland, Pa.**
**Wednesday, December 10**
**Report supplied by auction**

Reported receipts of 135 cows, 73 heifers, and 5 bulls

Load of Wisconsin fresh cows, 1600.00-1675 00; Load of Virginia fresh cows, 1175.00-2000.00, springers 1300 00-1600.00; Load of Pennsylvania fresh cows, 1650.00-1700.00, springers 1180.00-1500.00; Load of Pa cows, 980.00-1425.00. 51 head - all stages of production 510.00-1700.00.

Locally consigned cows 650.00-1250.00, a few bet[illegible] to 1575.00; Springing heifers 850.00-1280.00; Open heifers 360.00-700.00; Bulls 460 00-830 00. Several other heifers 1325.00-1375.00.

## New Holland Feeder Pigs

**Wednesday, December 10**
**Report supplied by USDA**

| | |
|---|---|
| Today | 1273 |
| Last Wednesday | 1113 |
| Last Year | 1559 |

Compared to last Wednesday feeder pigs 5.00-10 00 lower, instances 10.00-20 00 lower on US 2-3 grades. All pigs weighed on arrival and sold by the hundred weight

FEEDER PIGS: US 1-2 30-39 lbs. 61.00-77.00; 40-49 lbs 63.00-71.00; 50-60 lbs. 56.00-72.00; 60-70 lbs. 53.00-64 00 US 2-3 30-40 lbs. 42.00-46.00, 40-50 lbs. 46.00-55.00; 50-60 lbs. 48.00-60.00.


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# Livestock market and auction news

## Pa. Auction Summary

**Friday, December 12**
**Report supplied by PDA**

CATTLE: 5211. Compared with 4886 head last week, and 4863 head a year ago. Slaughter steers & heifers steady to 1.00 lower. Sl. cows & bulls 1.00-3.00 lower. Sl. steers: Choice 64.00-70.00; Good 59.00-66.00; Standard 52.00-60.00. Sl. heifers: Choice 62.00-66.00; Good 55.00-60.00. Sl. cows: Utility & Commercial 42.00-48.00; Cutters 39.50-46.00; Canner & L. Cutter 35.00-43.00; Shells down to 25.00. Sl. bullocks: few Good & Choice 60.00-70.00. Sl. bulls: Yield Grade No. 1, 1200-2000 lbs. 55.00-64.00; few Yield Grade No. 2, 800-1400 lbs. 50.00-56.00.

FEEDER CATTLE: Steers few Medium & Large Frame No. 1, 300-600 lbs. 60.00-75.00; Large Frame No. 2, 300-700 lbs. 50.00-64.00. Heifers, Medium Frame No. 1, 400-600 lbs. 45.00-57.50.

CALVES: 4104. Compared with 4206 head last week and 3659 head a year ago. Vealers steady to strong. Few Prime 93.00-110.00; Choice 85.00-105.00; Good 75.00-90.00; 90-110 lbs. 65.00-79.00; 70-90 lbs. 58.00-68.00. Utility 55-100 lbs. 35.00-60.00.

FARM CALVES: Hol. Bulls 90-130 lbs. 75.00-110.00; Hol. Heifers 95-140 lbs. 100.00-170.00.

HOGS: 7012. Compared with 6233 head last week and 7471 head a year ago. Barrows and gilts weak to 1.50 lower. US No. 1-2 200-250 lbs. 46.50-49.50; No. 1-3 190-260 lbs. 45.00-47.50; No. 2-3 240-280 lbs. 40.00-46.00; No. 1-3 140-180 lbs. 35.00-44.00; Sows US No. 1-3 300-600 lbs. 38.00-45.00. few No. 2-3 400-700 lbs. 35.00-41.00. Boars 28.00-37.75.

FEEDER PIGS 1843. Compared with 931 head last week and 1665 head a year ago. Feeder Pigs steady. US No. 1-3 25-35 lbs. 9.00-25.00 per head; No. 1-3 35-50 lbs. 15.00-32.00; few No. 1-3 50-70 lbs. 25.00-38.00.

GRADED FEEDER PIGS: 4534. Compared with 2567 head last week, and 4082 head a year ago. All sales by CWT. Feeder Pigs 5.00-25.00 lower. US No. 1-2 30-40 lbs. 55.00-90.00, few 95.50, 40-50 lbs. 50.00-90.00, 50-60 lbs. 46.00-85.00, 60-70 lbs. 40.00-70.00; US No. 2-3 20-30 lbs. 40.00-60.00, 30-40 lbs. 42.00-55.00, 40-50 lbs. 39.00-65.00, 50-70 lbs. 40.00-58.00.

SHEEP: 712. Compared with 346 head last week and 430 head a year ago. Wooled sl. lambs 3.00-5.00 lower. Choice 60-115 lbs. 53.00-63.00; Good 50-100 lbs. 50.00-59.00. Sl. ewes: 9.00-31.00.


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## Leesport Auction

**Leesport, Pa.**
**Wednesday, December 10**
**Report supplied by PDA**

CATTLE 279. Compared with last Wednesday's market, slaughter steers steady to $2 lower. Slaughter cows 75 cents to $2 lower. Choice 900-1200 lbs. slaughter steers 65.50-68.75, one at 69.00, Good & Choice holsteins 1300-1560 lbs. 58.50-75.00; holstein heifers 85-140 lbs. 120.00-137.50, one at 147.50.

HOGS 308. Barrows & gilts $1 to $1.50 lower. US No. 1-2 200-250 lbs. barrows & gilts 46.00-47.85, mosty 46.50-47.00, No. 1-3 190-260 lbs. 45.00-46.50, few No. 2-3 265-280 lbs. 44.50-45.00. Sows $1 higher. US No. 1-3 300-575 lbs. sows 42.00-45.25, few down to 38.00, few Utility 260-400 lbs. 32.50-37.00. Boars 33.00-35.00.

FEEDER PIGS 358. US No. 1-3 25-55 lbs. feeder pigs 50.00-73.00, one lot 76.00 cwt., one lot No. 1-3 158 lbs. 38.50, Utility 30-65 lbs. 35.00-45.00 cwt.

SHEEP 83. Choice 75-110 lbs. wooled slaughter lambs 52.00-62.00, few 120-150 lbs. 47.50-50.00, few Choice fall lambs 50-65 lbs. 91.00-106.00; few Good & Choice 50-80 lbs. wooled slaughter lambs 55.00-73.00. Slaughter ewes 17.00-31.00.

GOATS 21. All goats sold by the head 35.00-50.00, one at 62.50.

## Special Feeder Pig Sale

**Tuesday, December 9**
**Report supplied by VDA**

There were 3,206 head sold. All pigs were graded by Representatives of the VDACS's Division of Markets, Livestock Section on USDA standards and sold by the hundredweight.

US 1-2's 30-39 lbs. 48.00-52.00, 40-49 lbs. 46.50; 50-59 lbs. 51.00; 60-69 lbs. 58.50-59.00; 70-79 lbs. 54.50-55.50; 80-110 lbs. 51.00.

US 3's 30-39 lbs. 43.00; 40-49 lbs. 44.00; 50-59 lbs. 47.00; 60-69 lbs. 55.00; 70-79 lbs. 49.00; 80-110 lbs. 48.00-51.50.

Utility 30-39 lbs. 36.00; 40-49 lbs. 37.00.

US 4's 30-39 lbs. 37.50; 40-49 lbs. 43.00.

## Oklahoma Cattle

**Thursday, December 11**
**Report supplied by USDA**

Estimated Receipts 5400
Same Day Last Week 8158

Fairly active; feeder steers over 500 lbs. steady to weak; steers under 500 lbs. and feeder heifers fully steady. Majority receipts medium frame no. 1 400-800 lbs. feeder steers and 300-700 lbs. heifers. Fairly large buyer attendance.

FEEDER STEERS: Medium Frame No. 1 few 240-290 lbs. 85.00-86.50; 300-400 lbs. 79.25-84.50, lot 369 lbs. 86.30; 400-500 lbs. 76.25-82.50, mostly 78.00-82.00, two lots 440-443 lbs. thin 83.50-84.25; 500-600 lbs. 73.50-77.50, lot 532 lbs. 78.25; 600-700 lbs. 70.75-73.50, two lots 601-650 lbs. 74.50-75.00; 700-800 lbs. 69.50-73.00, part load 824 lbs. 69.80.

Medium Frame No. 1-2 lot 275 lbs. 82.90; 390-500 lbs. 73.00-76.50; 500-600 lbs. 71.50-74.50; 625-840 lbs. 66.25-69.00, lot 660 lbs. thin 74.10.

Large Frame No. 2 Holsteins lot 370 lbs. 61.00; 440-610 lbs. 57.25-60.00, lot 785 lbs. 55.40.

FEEDER HEIFERS: Medium Frame No. 1, two lots 280-288 lbs. 69.50-72.60; 300-400 lbs. 68.25-71.00; 400-500 lbs. 63.00-68.50, mostly 63.75-68.00, part load 497 lbs. 70.05; 500-700 lbs. 62.25-68.00, mostly 63.00-67.00; lot 715 lbs. 66.50.

Medium Frame No. 1-2 400-600 lbs. 61.50-63.50, load 440 lbs. thin 66.00; lot 740 lbs. 58.70.

Medium and Large Frame No. 2 lot 390 lbs. 62.50; 450-635 lbs. 57.75-61.00.

FOR THE WEEK: Feeder steers and heifers closed the week steady to $1.00 lower; slaughter cows $2.00-3.00 lower; late sales include Utility and Commercial 2-3 41.00-43.25; Cutter 1-2 39.00-40.50, lot 1080 lbs. holsteins 42.00; few Canners 33.25-34.75. Slaughter bulls generally steady. Yield Grade 1-2 1015-1525 lbs. 52.25-58.00, three head yield grade 2 1170 lbs. 46.25. Salable receipts this week near 15,500 head compared with 25,385 head last week. Feeder steers and heifers totaled near 13,800 head (89 percent)

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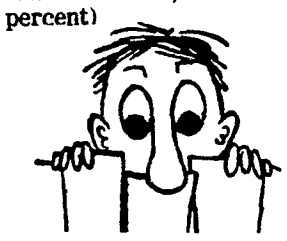


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BY CURT HARLER, EDITOR

# Lancaster Farming says...

## *You may be forced to farm 'right'*

"Society is starting to realize that we can not continue to tolerate the levels of soil loss we are seeing in many of the nation's most productive agricultural states.

"If land users can't do a better job of keeping those losses within acceptable limits, I think they can expect to have society trying to tell them how they may or may not use the land we have left."

That quote is not from some wild-eyed radical nor from an avowed communist.

But the message is clear: if farmers don't clean up their farming practices, non-farmers or government agencies are going to step in to tell them how to farm 'right.'

When U.S. Soil Conservation Service Administrator Norman Berg made the above statement he had in mind the legions of non-farm people who are presumed to know next to nothing about agriculture but who know enough to realize gullys don't belong in farmers' fields, and mud should be kept out of streams.

While most farmers could rightly claim to be doing the best they can, that 'best' may not be good enough

In Cass County, Iowa, one of the nation's top farming counties, soil losses this spring were placed as high as 150 tons per acre on some farms.

One of America's most precious natural resources is its top soil, but much of it — both in Iowa and here in Pennsylvania — is simply washing away

Whatever a farmer's efforts, whatever assistance is given to save soil, the pressures from inside and outside the farm community are going to build on those who take any but the most strict line on conservation.

The state Ag Department this week held hearings on measures to require an approved management plan as a prerequisite to receiving a Clean and Green tax assessment See page A-30.

Eventually farmers will find themselves unable to participate in any government program at all if their farms are not up to snuff. While getting out of government programs isn't a bad idea, it could be uncomfortable should it be forced

A farmer may be declared unfit to farm the land, the same way a poor parent can be declared by a court to be unfit to rear a child.

At the heart of the matter is a conflict in two outlooks: farmers, on one side, generally feel they own the land and can do with it what they please — maybe even if it destroys forever the land's value for farming. Development or poor management would do just that.

The second group sees the farmer as steward over a God-given resource, with the privilege to use the property, but without the authority to ruin it.

Farmers will point to their land deeds, the years of time spent improving the land, the money invested in the property.

The others will argue that it is impossible to own anything that can't be taken wherever you go. A shirt can be packed along, a barn dismantled and moved. But land is permanent, part of the national treasure lode. As such it needs the efforts of all to assure its safety.

The idea of forced conservation and strong sanctions against sloppy land owners may sound socialistic. But hurling a label at those who support manditory conservation won't make them go away any more than booing an all-star player will make him drop the ball.

Their conservation goals probably would profit us all. Farmers need to substitute a different method of reaching those goals unless they want to find themselves forced to 'farm right.'

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THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

### THE TWO-POINT SERMON

**December 14, 1980**

**Background Scripture:**
Malachi 3:1-5; 4:5-6;
Isaiah 40: 1-11; Matthew 3:1-12,
11:7-15; 17:9-13.

**Devotional Reading:**
Isaiah 7:10-15.

John the Baptist had only a two-point sermon, but his rather uncomplicated message made a tremendous impact upon the people of Judea. His reputation spread far and wide and great crowds went out into the Judean wilderness to hear this strange man who regarded himself as simply God's messenger. So great was his popularity that even the Pharisees and Saducees of Jerusalem went to hear him. Some even came forward to be baptised by him.

What could this man of the wilderness possibly say that would attract such great throngs? Did he have some new approach to religion? Was there something unique about his religious lifestyle or message? No, John the Baptist was not unique as a desert prophet. There had been many others before him, some even setting precedents for his aesthetic style and demeanor. Nor was his message unique or new. Both his sermon points were drawn from familiar themes in the scriptures.

**Prepare His Way!**

Like prophets before him, John the Baptist called his listeners to repent. That was his first sermon point: change from your sinful ways and return to God! And the second point was clearly tied to the first: "for the kingdom of heaven is at hand" (3:2). Actually, this was the most important thing John had to say. Everything else he preached was predicated on his assurance that the kingdom of heaven was "at hand." Thus, John the Baptist saw himself as God's messenger to prepare his people for his coming and he linked himself with Isaiah's prophecy:

**The voice of one crying in the wilderness: Prepare the way of the Lord, make his paths straight.** (Isaiah 40:3).

So it was a message of hope, yet at the same time it was hardly a popular theme and the great response of the people to this message must be regarded as an indication of their great spiritual hunger. Nobody likes to be told to repent, whether for the kingdom of heaven or anything else. The term "repent" is not popular in most religious circles today for most us do not like to think of ourselves as sinners — perhaps a bit "mistaken" or "misguided," but not sinful.

**Bear Fruit Befitting Repentance**

To be sure we regularly go through the ritual of repentance — "Forgive us our debts as we forgive our debtors" — but there is often something vital lacking in that ritual. The Baptist realized that his people also went through their sterile rituals, so what he asked of them was not words of repentance, but changed lives: "Bear fruit the befits repentance, and do not presume to say to yourselves, "We have Abraham as our father' " (3:9). That was the only way they could be truly prepared for Christ and his kingdom. And it is still the only way today.

---

## NOW IS THE TIME

By Max Smith, Lancaster County Agricultural Agent
Phone 394 6851

**TO CONSIDER LEASING MACHINERY**

The cost of machinery is a big item on most of our modern farms. In this part of the state most farmers have sufficient equipment to farm twice their current acreage. Our economists suggest that in many cases it might be more profitable to lease the machinery than to own it. This can be true more often with machinery that is used only a few times each year (combines and field choppers). Another practice that is regarded as very economical is to hire custom operators to do the work rather than to buy your own equipment for that particular job. This is a popular practice here in southeastern Pennsylvania. Farmers are urged to cut down the big investment and the severe depreciation that has been experienced

**TO PRACTICE HOLIDAY SAFETY**

This is not a new thought but one that bears repeating. With the holiday season approaching there are many extra decorations and events that can present fire hazards. We urge every parent to discuss the need of safety measures that will prevent serious fires and possible human injury Too many of us get careless with our evergreen decorations and Christmas trees. Candles, fireplaces, and overloading of our electric lines all are possible fire hazards when not carefully handled. We urge everyone to make an effort to be careful with holiday decorations and do not take chances. If there is a possibility of a fire, then that item should be eliminated.

**TO GET INFORMED ON SEWAGE SLUDGE**

There is considerable interest near sewage disposal plants for the use of the sludge as a fertilizer on crop ground. This material does have good fertilizer potentials but there are some limits. In the first place the land owner should check with the operator of the sewage plant to learn the content of the sewage. All plants are required to have tests made on their products in order to know how to handle it. There is a growing supply of sludge from most areas and plants are concerned about disposal sources. The land owner should recognize the fertilizer value of the material and also, realize the per acre limits of application. The danger of an excess of heavy metals (copper, zinc, lead, cadmium) on the land is a factor regarding the rate of application. An excess of these heavy metals could make the soil toxic to numerous plants. Farmers should be aware of these limitations.

**TO MARKET LIVESTOCK WHEN READY**

Both cattle and hog producers face higher feed costs and uncertain markets. Some are debating whether to sell their feed grains and take some profit, or to take the risk of marketing the grains through cattle or hogs. This is not an easy decision, and I'm not about to say which should be done. However, if animals are to be fattened and sold, the feeder should pay some attention to the best market weight and finish to get the highest possible price. When either hogs or cattle are fed too long, they tend to overload the market and get lower prices. This extra weight, and in most cases extra lard and tallow, adds to the surplus of the product and lowers net profits. Feed efficiency goes down when animals are over-finished and over-weight.

CHRIS CLOVER

SUE AND I ARE GOOD FRIENDS, BUT SOMETIMES WE DISAGREE WHEN WE WORK TOGETHER ON 4-H COMMITTEES. IN THE END, THOUGH, WE ALWAYS WORK THINGS OUT.
IF TWO PEOPLE ALWAYS AGREE, ONE OF THEM IS UNNECESSARY! 4-H HELPS MEMBERS LEARN TO WORK TOGETHER, TO COMPROMISE, AND TO REACH GOALS TOGETHER.

## Farm Calendar

**Today, Dec. 13**

AAM Grassroots Convention, Pueblo, Colo. Continues tomorrow.

Harford County MCMP annual meeting, Noroth Harford High School, Pylesville, 7 p.m.

**Monday, Dec. 15**

New Castle, Del. computer

(Turn to Page A12)

# INTRODUCING...

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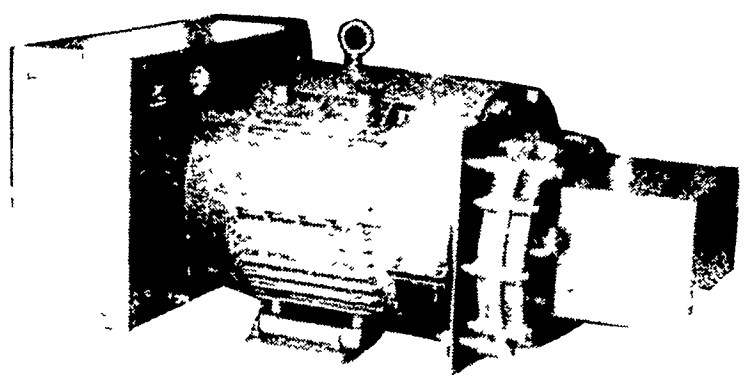

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# Avoid the Christmas crunch

YORK — The Christmas crunch hits many families as they try to fit special holiday activities into an already busy daily round of household demands. Many a frazzled parent has been thrown into a state of complete disorganization when a young son or daughter announces a special Christmas program at school — that he or she needs a costume, and some cookies — and Mom and Dad have got to be there!

One way to turn your household havoc into a setting where exciting extras are happening is through the use of family time plans.

A time plan can be as simple or a detailed as you desire. A simple list of jobs to be done as time is available is one approach, but this is probably not sufficient to guide a family through peak periods. A more detailed time plan includes a time sequence without definite time limits. A schedule brings in both sequence and approximate amount of time on different activities.

Families can develop their own schedules by answering four basic questions. What are the "extras" we must include? What are the "extras" we would like to include? What are the "usuals" that must be continued? What are the "usuals" that can be postponed or even eliminated entirely?

After you and your family have answered these questions, you can begin to develop a special holiday time plan. This is a venture for the entire family. Each family member needs to know what the other members have on their minds and how important these things are to them. With this knowledge, you can establish priorities that everyone understands. Had the parents known how important the school Christmas program was to their daughter they could have planned ahead for a costume and cookies — and they could have attended the program in an "unfrazzled" state.

You can turn the Christmas crunch into a time of exciting extras by thinking ahead and developing a time schedule with your whole family taking part.

# Horse parasite treatment can begin now

NORRISTOWN — Horses heavily infested with internal parasites are usually thin, weak, tucked up in their flanks, potbellied, rough-coated, and may frequently suffer from attacks of colic. A well-fed horse is not necessarily free of parasites. No horse is ever entirely rid of these free-loaders.

The stomach bot is a larva of the common bot fly and is a prevalent parasite of horses. The adult flies die after the onset of fall and frost temperatures.

The life cycle of this horse parasite is considered one year, with the larval stage in the stomach of the horse lasting eight to ten months. The most effective control program is one designed to kill the larvae while in the stomach.

Nancy Kadwill, Montgomery County 4-H Coordinator, recommends a two-treatment program for Pennsylvania horses The first administration of the worm drug should be scheduled in December and the second treatment in February.

The first bot treatment should be delayed until most larvae have reached the stomach in December, not just a first frost. The second treatment usually gets those that were missed by the first treatment.

Larvae do not reach the stomach until about six weeks after batching They burrow in the wall of the tongue immediately after hatching, where they stay for up to six weeks The rest of the larval stage is spent in the stomach The larvae complete their development in the spring, explains Kadwill

Once the larval development is completed, they release from the stomach wall of the horse, pass out with the intestinal material and undergo pupation on the ground. The adult fly season begins in the spring with the first hatch and ends in the early fall.

The control of stomach bots should be one part of an ongoing program for controlling internal parasites of horses. There are several worm drugs for horses, but Kadwill points out that they are not all active against the bot. The broad spectrum worm drugs do work against all internal parasites-worms and bots. Kadwill recommends one of these for the December and February treatments, or horses can be treated separately at these times for bot control. Either way, it is recommended that these programs be done by or in consultation with your veterinarian.

# Farm Calendar

(Continued from Page A10)

record keeping meeting, Lazy Boy Farm, Rt. 896, Middletown, 7:30 p m.

Eastern Milk Producers Co-Op CNI proposal meeting, Mt. View High School, along Rt. 106, Kingsley, 8 p m

**Tuesday, Dec. 16**

Sussex County, Del crop meeting, U. of Del. Georgetown Substation, 9.30 a m. - 3 p.m.

Commodity Futures Markets open meeting, small arena, New Holland Sales Stables, 7 p.m.

Cecil County, Md. DHIA, Extension Office, Elkton, Md., 10 a m. - 3 p m

Kent County small farmers conference, Ag & Natural Resources Bldg , rear of Del. State campus, 7 p m

Ephrata Area Young Farmers Christmas Party, Ephrata Junior High auditorium, 7.30 p m.

Garden Spot Adult Farmers silage management meeting, Union Grove School, 7:30 p.m.

**Wednesday, Dec. 17**

Dairy feeding meeting, Vo-Ag Room, Upper Adams High School, Biglerville, 7.30 p.m

Sussex County small farmers conference, U of Del. Georgetown Substation 7 p.m

**Thursday, Dec. 18**

Pa. Seedmen's Association, Treadway Inn, Lancaster, 9:30 a.m. - 3 p.m.

Del. Commercial Peach and Apple Growers workship, Fifer's Orchard, Wyoming, 10 a.m - 3:30 p.m.

N.J. annual seed, fertilizer and pesticide dealers meeting, Pfenninger's Hilltop Inn, 6 p.m

Adams County Pork Producers meeting, Extension Office, Gettysburg, 7 45 p m

Penn Manor Young Farmers meeting on hedging, high school, 7:30 p.m

**Friday, Dec. 19**

Lancaster County Conservation District Board of Directors monthly meeting, Farm & Home Center, 7:30 p.m.

# Letters To The Editor

**Dear Editor:**

Thanks muchly for the positive approach articles on sludge by Sheila Miller in the November 29 issue.

Farmers as well as sewage plant operators need articles like this, to help educate the do-gooders, the what-ifers, and the cryers-of-doom.

The risks, the potential negatives of utilizing sludge as fertilizer is so small compared with the beneficial applications being so large that they hardly need to be considered.

It would seem that articles as you printed — showing farmers utilizing sludge for fertilizer, trace minerals, etc. would help folks understand the biological benefits of land utilization.

Thanks again.

**Marshall Haws**
**West Chester**


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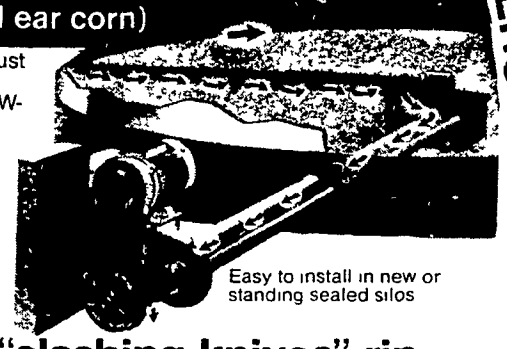

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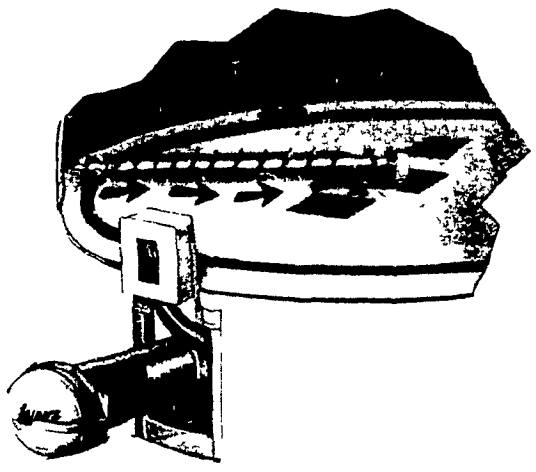

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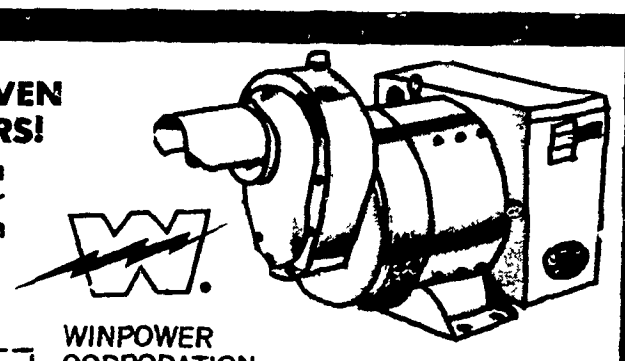

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# Improving soil will help root crops

NEWARK, Del. — Disappointed in the way your carrots did this year?

If you get nothing but hairy, misshapen nubbins from your garden, take steps to see that it doesn't happen again next summer. The answer probably lies in improving your soil.

Root crops like turnips, beets, and carrots have a hard time growing properly in some of the finely textured silt loams of upper Kent and New Castle counties. Well-drained soils are an absolute essential for these crops. Spindly or deformed carrots may be a sign the soil's too dense for proper development. (Excessive root hairs means they didn't get enough water.)

The key to improving heavy soil is the addition of organic matter, says University of Delaware extension soil specialist Leo Cotnoir. There are several ways to do this.

He recommends working in fallen leaves, plant debris, or vegetable wastes from the kitchen. These work best if composted first. But if you don't have the time or the inclination to start a compost pile, you can add them directly to the soil.

If at all possible, shred leaves and other materials before doing this though. Large amounts of bulky organic matter will decompose quite slowly and you may have trouble working the ground later on if you don't break them up first.

Take care not to use any diseased plant materials. Destroy or dispose of these so that they don't contribute to disease problems next year.

Another excellent way to improve your garden soil is to grow a winter cover crop. Annual ryegrass and vetch are best for this area. These are normally seeded between September 1 and October 1. The likelihood of a good stand is somewhat reduced after that date.

On a small plot the seed you'll use won't cost much. Because it's a legume, hairy vetch has the extra advantage of providing some nitrogen, as well as organic matter.

The main problem with cover crops in the home garden is the difficulty of working them into the ground the following spring - either by hand or with a small rototiller. Because of the quantity of plant material produced, it can involve some work. But gardeners who follow this practice usually feel well-rewarded for their effort.

For a small garden, adding sand to a dense, finely textured soil can also be very beneficial. A layer of sand 3-4 inches thick worked into the top of three to four inches of soil will make a very good growing medium. It will cost more to do this, so the idea probably won't appeal to any but the most devoted gardeners. But you can reduce the labor and expense by modifying only those areas where you intend to grow root crops. The medium grain sand which is sold for use in making concrete is best. Avoid masonry sand, which is too fine.

Besides improving the soil, you can avoid a lot of problems simply by not trying to work the ground when it's not fit to be worked. When you try to dig fine-textured silt loams when they're either too wet or too dry, you're likely to end up with rock-like clods and generally unworkable soil.

The above improvements may be all that's needed to grow better root crops in your garden. But if you suspect that soil fertility may also be a problem, extension vegetable specialist Dr. Mike Orzolek has some advice on this topic.

He says the biggest problem with carrots is to get them up and growing as fast as possible. Since this crop is very slow growing, it shouldn't be started too early. He recommends planting carrots in mid or late April after the ground has warmed up some.

Feed them lightly at planting and then sidedress them once a month over the growing season, starting the first of June.

Use one-quarter cup of 5-10-10 per 10 feet of row with each application.

A similiar fertility program will benefit most other root vegetables. Though a tuber, potatoes have similar growing needs. Sidedress them May 1, June 1, and July 1 with ½ cup of 5-10-10 per 10 feet of row.

If your garden soil has a pH between 5.6 and 6.2, your plants should have no trouble getting all the nutrients they need. But below 5.6 you should add lime. Have your soil tested now so that you know whether this is needed. A fall application is best.

It wouldn't hurt to use some well-rotted manure (cow, horse, chicken or hog) when you're growing root crops, says Orzolek. Put this down in the spring about a month before planting. The manure will give the soil better tilth and help hold moisture. Apply it in a band a foot wide and six to eight inches over the row.

If some of your carrots, potatoes or other root crops protruded from the ground and tops turned green, this may mean the seed was sown too shallow, or that the root hit a hard spot in the ground.

By opening up the soil with organic matter or sand, you should be able to prevent this from happening in the future. But if you see roots and tubers sticking up out of the ground during the growing season, just hill them up with soil.

Besides soil texture and fertility, insect control is another factor which affects quality. If your radishes or turnips were riddled with holes when you harvested them, you may want to apply a soil insecticide next spring before planting.

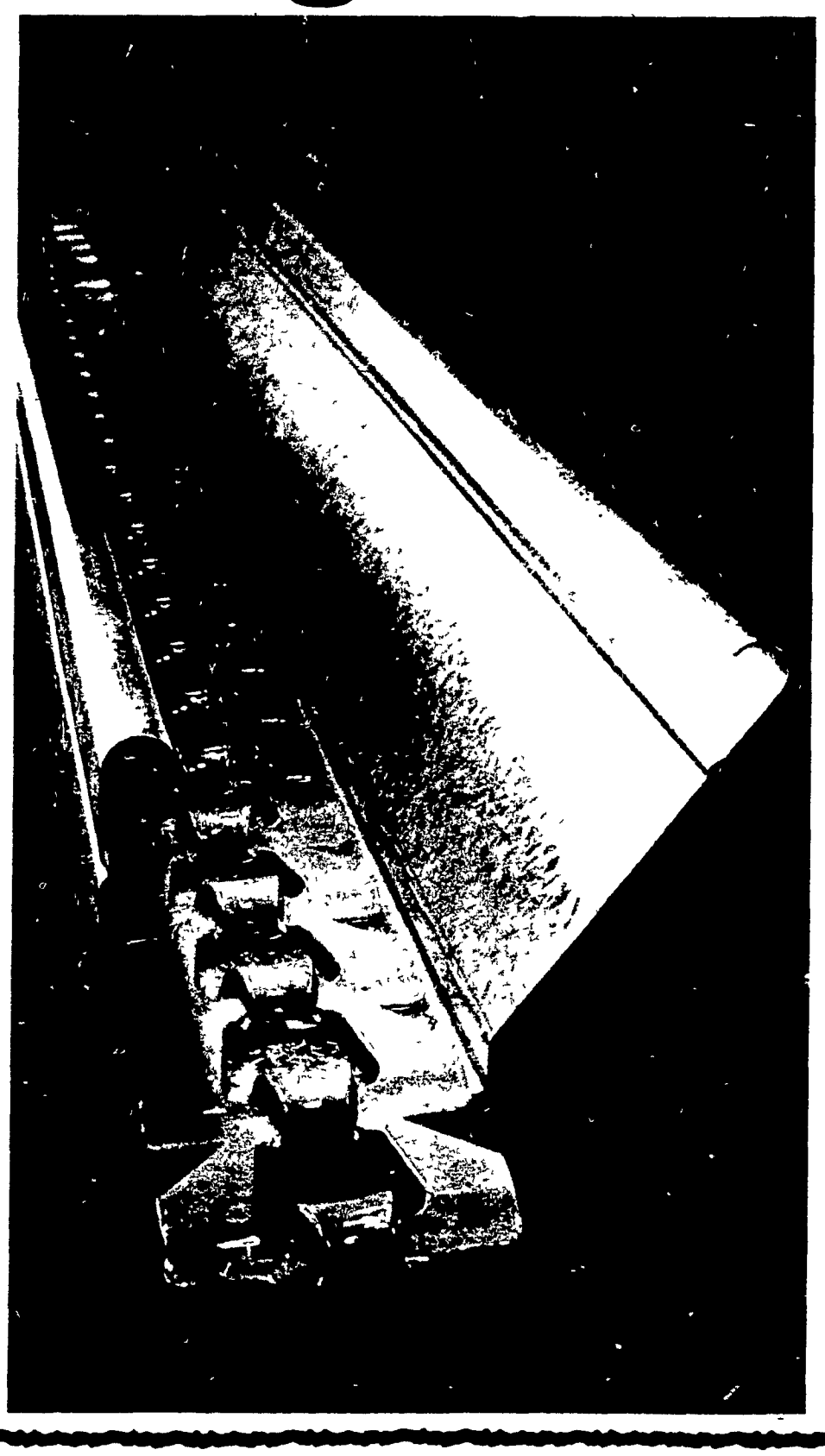
Delaware extension entomologist Frank Boys says diazinon applied according to label directions and worked in after you've prepared the ground will help control cutworms, wire worms, grubs, and other soil insects that feed on vegetable roots.

Finally, here's an idea on how to store any of this year's root crops you still haven't harvested. Since most home gardeners don't have a root cellar, Orzolek suggests leaving turnips, beets, carrots and parsnips in the ground.

Mulched with a good eight to 12 inch layer of straw to keep the ground from freezing, you should be able to dig them as needed right up to January, possibly longer. The straw should go down right now, before the ground gets any colder.

You may actually find the flavor of vegetables improved with this type of "cold storage."


# A Cage isn't enough



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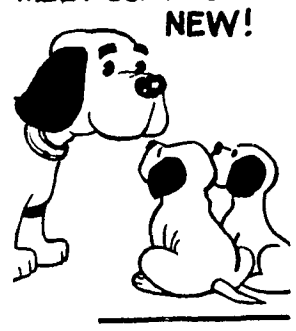

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# Delaware students can go to Panama for classes

NEWARK, Del. — Students from the University of Delaware will have a chance next January to see at first-hand how the leaders and people of Panama are dealing with the problems of economic development-especially as these problems relate to agriculture. The vehicle? A three-week, three-credit study trip to the country for a winterim course on Problems of Agricultural Development.

The class, which will be held January 5 to 29, is being offered through the University's College of Agricultural Sciences.

Harry Brautigam, a specialist in agricultural development, will be teaching the course. Its purpose is to study the role of agriculture and how it can help solve the economic problems of a less developed country.

Panama faces serious development problems which depend in part on improving agricultural production. The question is how best to provide the country's rural inhabitants (half the total population) with the knowledge of technical skills needed to achieve a satisfactory standard of living in order to half the migration of the poor and unskilled to the cities.

"During our visit we'll hear from observers in different sectors of the country's leadership, to see what they think needs to be done. And then we'll see what the people themselves think," says Brautigam. "People often perceive their problems differently than outsiders do."

Panama's problems are typical of all less developed countries, he says. Because agriculture is limited, there is a similar pattern of migration to urban areas and large-scale unemployment.

One of the big difficulties in solving Panama's problems is lack of communication. Research at the University is not used as an input in the decision-making process the way it is in more developed nations like the U.S.

"In Panama," explains the economist, "there's no extension service to provide a link between research and the farmer, or between research and government actions."

Changes now under way in the training of agricultural students there-including an exchange of ideas and personnel with the University of Delaware's agricultural college-may help to improve the spread of ideas.

Members of the class will attend brief seminars in Panama City with key representatives of government, business and the University of Panama, as well as officials from international agencies. Students will also meet with anthropologists familiar with local traditions and life styles in rural parts of the country which the class will visit.

Besides metropolitan Panama City, the group will visit Chiriqui-the prosperous agricultural region responsible for most of the country's food production.

They will spend time in Santiago-a very poor rural area where the bulk of the country's land reform efforts are concentrated.

The Delaware group will also visit Darien, a large undeveloped province recently made more accessible by the construction of a highway. The challenge there is how to control development so as to protect the fragile tropical ecology.

Brautigam wants his class to become aware of Panama's potential in other areas besides agriculture, too. A crossroads of international shipping because of the canal, the country has one of the largest banking communities in the world, as well as one of largest free-trade areas.

Members of the class will have an opportunity to do some weekend travel on their own to places such as the San Blas Islands (home of the Cuna Indians, famous for their colorful appliqued molas), and Contadora Island (a beautiful resort center). They'll be able to visit Colon, a free-trade area at the Atlantic end of the Panama Canal.

The three-credit course is open to anyone enrolled in the University of Delaware It is also open to other interested individuals through the Division of Continuing Education. Cost for the 24 days will be around $900 including transportation, breakfast and hotel accommodations. For further information contact Harry Brautigam at 302/738-2511.

# *Plant tissue used to study pesticides*

UNIVERSITY PARK — Plant tissue cultures in test tubes are enabling scientists at Penn State to determine the effects of pesticides and their breakdown products on the environment.

"It is much easier to isolate and identify pesticide breakdown products in tissue cultures than in whole plants," declared Ralph O. Mumma, professor of chemical pesticides at Penn State.

He said it is important to know how much of a pesticide and its converted remants are present in plants at any one time. Such information, he claimed, is vital for proper timing of crop harvest, for safety of humans and other species, and to understand the possible effects of pesticide breakdown on the environment.

He indicated tissue cultures contain only very small amounts of substances such as pigments and starches which, in whole plants, interfere with the identification of products left over when pesticides deteriorate.

Such cultures can be made from almost any part of a plant — roots, leaves, or stems. As grown in bottles or special vials, plant tissues get their energy from sugars in the culture medium, not from sunlight This asexual growth of plant tissue can result in new plants with superior qualities, it was noted

"It is much easier to isolate and identify pesticide breakdown products from tissue cultures than from whole plants," he said. "Such cultures contain only very small amounts of substances such as pigments and starches which, in whole plants, interfere with the identification of products left over when pesticides deteriorate.

He claimed many scientists at universities and in government and industrial laboratories are rapidly adopting tissue culture in their research. By carefully selecting plant hormone levels, it is often possible to stimulate the growth of roots and/or leafy buds — thus producing new plants.

Such cloned tissue cultures grow rapidly, have moderate cost and space needs, are easy to duplicate, take up pesticides rapidly, and quickly produce chemical breakdown products. In addition, laboratory conditions and comparison of data with other labs can be standardized, increasing the reliability of results.

Plant tissue culture can be carried out in two major ways. First, the tissue can be cultured rapidly in a solution consisting of single cells or small clumps of cells from the original plant. Or tissue can be cultured more slowly as clumps of tissue growing on agar gels.

The growth medium contains salts, a few vitamins, hormones, and sugar needed for growth.

Cultures usually can be grown for six to eight weeks and may increase 10 to 100-fold in weight.

To verify the significance of findings, corresponding experiments are carried out with whole plants for comparison. These experiments have led to the discovery of many new breakdown products.

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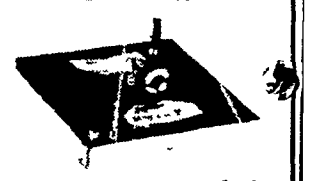

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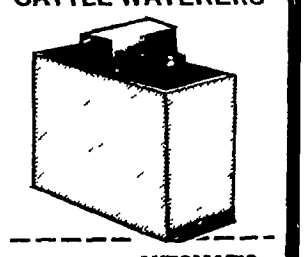

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# Two Maryland vets assume new posts

ANNAPOLIS, Md. — Two Maryland Department of Agriculture veterinarians have been promoted to supervisory positions within the department.

Dr. John Shook has been appointed Assistant Chief of the MDA Animal health Section and Dr. Jacob Casper has been named Director of the MDA Animal Health Laboratory at Frederick.

Since entering Maryland state service in 1971, Dr. Shook has supervised MDA programs at the Frederick Animal Health Laboratory. Prior to that time, he was Veterinary Bureau Director of the Pennsylvania Department of Agriculture,

John Shook

Jacob Casper

an Assistant Professor of Veterinary Science at Pennsylvania State University and had his own veterinary practice in that state.

Dr. Shook now will assume duties of the Assistant Chief in the department's Animal Health Section at Hyattsville. He will work with State Veterinarian, Dr. Edward Wilson, to administer activities of the 5 MDA Animal Health Labs in the state and the department's field veterinarian services and functions. The Frederick Lab vacancy created by Dr. Shook's promotion is being filled by MDA veterinarian Dr. Jacob Casper.

Dr. Casper joined MDA in 1963. He served as a veterinary circuit supervisor of the Meat & Poultry Inspection Section and headed the Diagnostic Laboratory in Bel Air before moving to the MDA Animal Health Laboratory at College Park four years ago to take charge of clinical pathology and serology.

Prior to his state service, Dr. Casper was with the USDA Animal Inspection Quarantine Division in New York and conducted his own small animal practice in New Jersey.

He, his wife Ruth and son Daniel presently reside in the Pikesville area.

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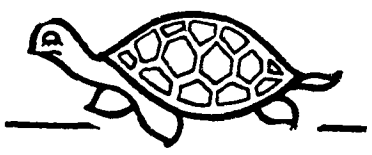

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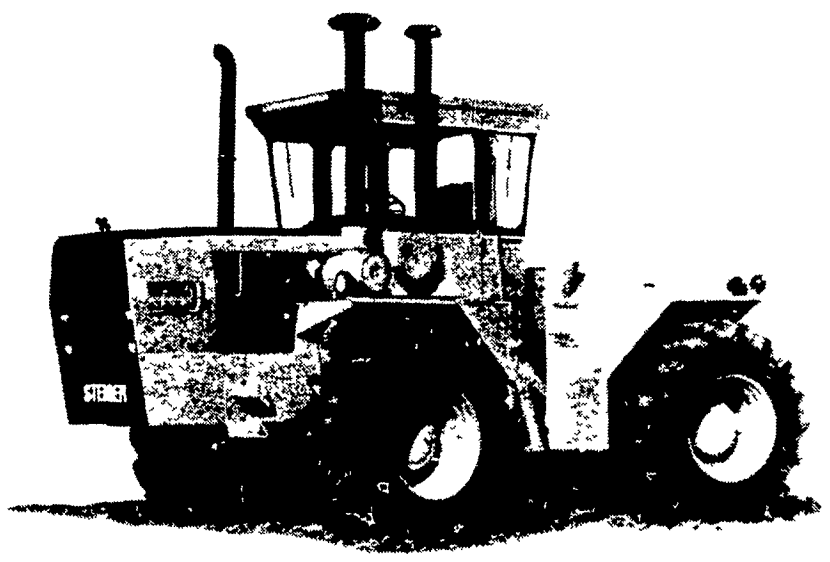

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# Farm Business News

## Reports best year ever

TUNKHANNOCK — Sire Power, Inc. with headquarters in Tunkhannock, Pa., and Frederick, Md. recently completed its 1979-80 Fiscal Year.

Annual totals indicated large increases in all areas of business activity, according to Ron Flatness, Director of Sales & Promotion. Sire Power and member cooperatives were plus over 75,000 units compared to last year, with total business volume exceeding $6,000,000.

In direct herd sales they were plus over $540,000 in gross income, with a 29,739 unit volume increase

National & International Sales included a $631,000 gross increase, 72 percent plus over last year. International business volume increased by 50,297 units, a 29 percent increase

Dired herd sales include sales directly to dairymen or beef ranchers who breed their own cows and buy many services at once They are usually among the largest farmers in an area Sire Power has A.I Management Schools throughout its area to train cattlemen to breed their own cows

Sire Power also sells all equipment necessary for success in this endeavor Estimates indicate that over 60,000 U.S. cattlemen now utilize this new method of herd improvement.

Their National Market includes sales to areas of the United States that are outside the traditional "Sire Power County": Pennsylvania, New Jersey, Maryland and West Virginia. Sire Power's member cooperatives provide professional technician services in these areas, and 1979-80 was a banner year for this business division also.

Sire Power also markets semen throughout the rest of the world, including Central and South America, Europe, Africa, the Middle East and Asia.

The previously mentioned business volume increases are a vital ingredient in maintaining low cost service to Sire Power members. At Sire Power it is still possible to breed a cow for $5 to herds on standard and AM-PM testing. This is the same fee charged nearly 40 years ago

This is an almost unbelievable accomplishment considering inflation, and a real tribute to the cooperation movement, the co-op says. In addition, the bulls of today are vastly superior to their predecessors This improvement has resulted from selection pressure and most importantly, the development of the USDA Sire Summary which has revolutionized sire selection, the stud says.

DuWayne A. Kutz is Sire Power's and its member cooperative's General Manager. George Sommer, Southside, West Virginia is President of the Board of Directors, Gary Rickard, Honesdale, Pa. is Vice-President, and Richard Remsburg, Jefferson, Md is Secretary.

Sire Power traces its origin to the first artificial breeding organization in the United States, established in 1938. Sire Power is a cooperative organization owned by its member organizations; Northeastern Breeders, Maryland ABC, and West Virginia ABC. All member organizations are farmer owned and controlled

## Introduces new tractor

LITITZ — To meet the increasing demand for a medium-sized, four-wheel-drive tractor that can handle heavy, wet-soil conditions, Massey-Ferguson is introducing the MF 154-4 farm tractor. This latest addition to MF's tractor line is rated at an estimated 420 PTO horsepower.

Its major advantage over two-wheel-drive tractors is greater drawbar pull - beneficial when handling wide implements at lower speeds on rough ground and in heavy, tough soils.

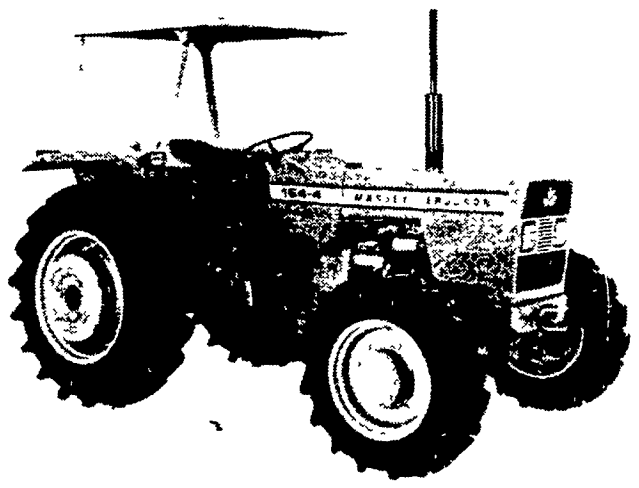
This tractor's other four-wheel-drive advantages include reduced wheel slippage, more stability, improved flotation. reduced rolling resistance, and better maneuverability on poor surfaces. Power, weight and tractive effort are distributed more evenly over the four wheels.

Designed and engineered for farming areas where unfavorable traction is a major limiting factor, the MF 154-4 will be used extensively for plowing, discing, planting, and for operating spreaders, balers, mowers and farm loaders.

It is powered by a Perkins three-cylinder 152-cubic-inch direct-injection diesel engine. Power is transmitted through an 11-inch dual dry plate clutch to a synchromesh transmission which provides 12 speeds forward and four in reverse.

The tractor's hydraulic system is equipped with a conventional Category I three-point linkage. The system provides draft and position control with adjustable sensitivity control and automatic lowering rate adjustment. A gear pump mounted on the engine supplies hydraulic power.

Hydrostatic power steering with independent pump and circuit is also standard. Other features include a forward-hinged hood for easy maintenance access to the air cleaner, battery and fan belt; headlights built into the front grill; spring suspension seat; and a fully instrumented dashboard.



**The new MF 154-4 farm tractor, rated at 42 pto horsepower, meets the increasing demand for a medium-sized, four-wheel-drive tractor for heavy, wet soil use. Its major advantage over two-wheel-drive tractors is greater drawbar pull for wide implements.**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# Why should you sow Hoffman Formulas?

WE ASKED DICK DERR, MANAGER OF HOFFMAN QUALITY CONTROL

Dick Derr, Manager of Quality Control for Hoffman Seeds Inc

**Q. What's so special about Hoffman Formulas?**

A. They're "special" because we put special seed into them. We select high-yielding, winter-hardy alfalfas with proven Eastern performance. Vigorous, clean seed with broad disease resistance. We match maturities of legumes and grasses We want customers to grow superior crops, and thus build repeat business

**Q. What's the most important thing that goes into Hoffman Formulas?**

A. Our most important ingredient could be "experience." Hoffman was the first seed company to offer a comprehensive program of specialized legume/grass formulas for the Northeast. That was in 1963. We've learned many things since that time — things competitors now moving into this field have yet to learn

**Q. Whose experience are you talking about?**

A. Hoffman's 80-year experience My experience in the laboratory and in the field. I've been in this business for over 30 years So has Elmer Applegate, who arranges for our seed The men who blend and inoculate Formulas are long-time Hoffman employees with plenty of know-how. The experience of Hoffman Seed Men is important, too, in recommending the right Formulas for your situation. We know what we are doing.

**Q. How does this experience help Hoffman customers?**

A. They are buying up-to-date formulations that we know from experience will do a good job for them Every year we ask ourselves, "How can we make Formulas better next year?" Each Formula is reviewed What was learned in the past year is plugged into each decision Slowly but surely we strengthen the formulations The net result is a steady upgrading of performance year after year.

**Q. How do you know your Formulas do a good job?**

A. Because I go out and personally check field results on farms In widely scattered areas with the customer along I listen to the customers get to know what they like and what they don't like Their opinions, plus reports from our sales force, help shape the next year's formulating decisions

**Q. Why don't you tell what varieties you use?**

A. Because we put a lot of time and effort into testing and developing our own superior lineup of Formulas We don't want to make it too easy for competitors to catch up We know we're putting the seed that we should into Hoffman Formulas Our sales force knows they perform well. Customers recognize this, too, and are telling their friends

**Q. Are sales of Hoffman Formulas increasing?**

A. Definitely More than doubled over the last 10 years Because of superior performance. We are proud to be leaders in the developing of private branded seed products like Hoffman grass/legume Formulas And we intend to continue to lead in this field by giving customers better performance

**Q. How many customers buy Formulas from Hoffman?**

A. Considerably over 2,000 per year. And do you know how many complaints we average? Less than two! That's better than 99 9% satisfied customers Show me the automobile manufacturer who can claim that degree of satisfaction with his cars.

**Q. What's the point in using several alfalfa varieties in one Formula?**

A. It's a strong insurance factor When a farmer seeds an alfalfa/grass combination he's putting it in for several years' use. He has no way of knowing what kind of weather he'll hit during those years He doesn't know what diseases might crop up. We can't tell him either But we can offer him a Formula including several superior alfalfas to give him broader tolerance to more of the problems he may face over the life of the stand

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# Red Rose DHIA

(Continued from Page A1)

The mixed herd honors went to Samuel F. Long, R2 Peach Bottom. His herd of 74 head turned in a record of 16,257 pounds milk and 606 pounds butterfat.

Average production of butterfat for the 499 members of the Red Rose DHIA was 556 pounds, with 14,941 pounds milk on a 3 7 percent test. Those figures are nearly identical to the state average.

In addition to the milking awards, four DHIA testers were honored for their long service to dairymen in the county.

Cited for 30 years service was Harold Lindecamp, R2 Peach Bottom.

Plaques for 25 year's service went to Head Tester J. Wilbur Houser, Lampeter; and to Jay M. Risser, Lancaster

A citation for 20 years service went to Robert Brinton, Quarryville.

Top Ayrshire herd in the Red Rose DHIA is owned by Harold Shelly, Manheim. His herd made 15,318 pounds milk and 612 fat. Award was presented by Jay E. Landis, left, Vice President of the DHIA.

Trophy for top butterfat production in Lancaster County went to Nelson H. Wenger whose Registered Holsteins set a county record of 771 pounds butterfat. Presenting the award is Red Rose DHIA Vice President Jay E. Landis, right.

Dairymen were treated to a presentation of "Milk, the American Way" given by Lancaster County Dairy Princess Connie Balmer.

Her talk, backed by patriotic music, was strongly in favor of promotion for dairy products.

A motivational talk was given by Karl K. Kettering, Ephrata. He outlined six steps to realizing success.

Included were the realization that opportunity lies within us; the need to establish goals; the need to control one's mental attitude; the benefits of enthusiasm; the reward of work; and the returns from desire, the spirit inside one's self.

Glenn A. Shirk, county extension dairy agent, urged dairymen to make smart management decisions.

He told dairymen to keep a close check on profits per cow.

He also warned about borrowing money at today's soaring interest rates to grow larger instead of borrowing to grow better.

Raymond Pruss, administrative assistant of the Pennsylvania DHIA congratulated all the farmers who had increased not their production, but rather their return over feed costs.

Lancaster County DHIA members averaged $1155 return over feed cost per cow. Although the figure is up $60 per cow from last year it is $13 per cow under the state average.

One reason may be found in the slightly higher estimate of feed cost per hundredweight of milk.

(Turn to Page A18)

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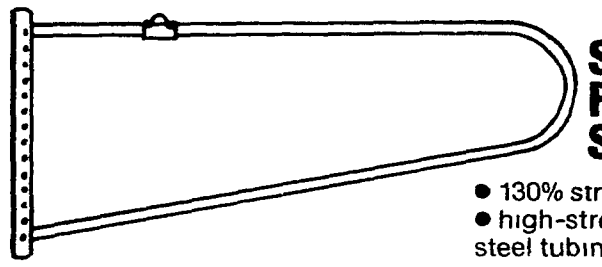

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SUSPENDED FREE STALL No. 86

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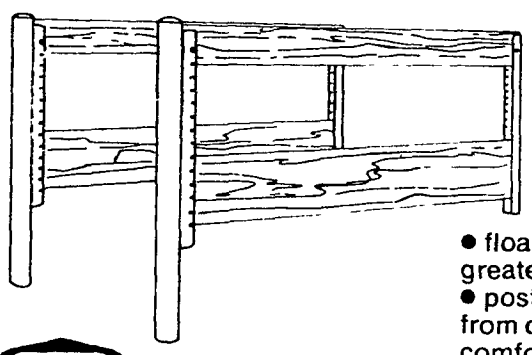

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K.D. Linde, left, accepts plaque for top Guernsey herd in the county from DHIA Vice President Jay E. Landis. The K.D. and Else Linde herd made 13,566 pounds milk and 652 pounds fat.

Award for the top Jersey herd in the county was presented to Paul H. and Marvin Herr, Holtwood, by DHIA Vice President Jay E. Landis, left. The Herrs' cows produced 12,453 pounds milk and 597 pounds fat.

Top production from a herd of mixed breeds was made by Samuel F. Long, Peach Bottom. His cows made a record of 16,257 pounds milk and 606 fat. Presenting the award is DHIA Vice President Jay E. Landis, left.

# Red Rose DHIA

(Continued from Page A17)

Lancaster farmers put the figure at $4.96 while the state average is $4.80.

Pruss also told farmers about plans to erect a new DHIA facility at Penn State's University Park campus The cost will be paid by DHIA members from their testing fees.

The treasurer's report showed the Association in

(Turn to Page A19)

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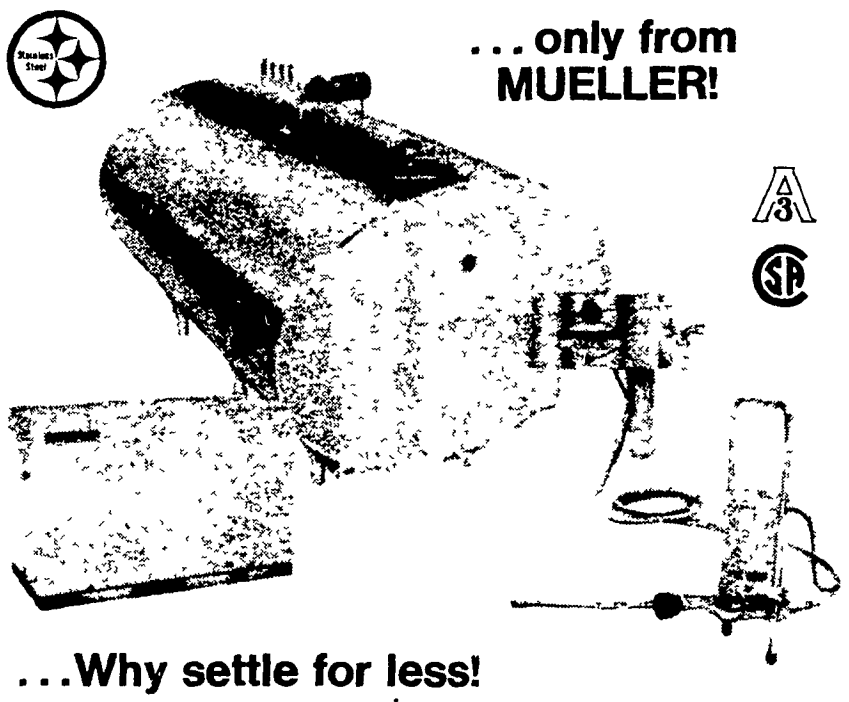

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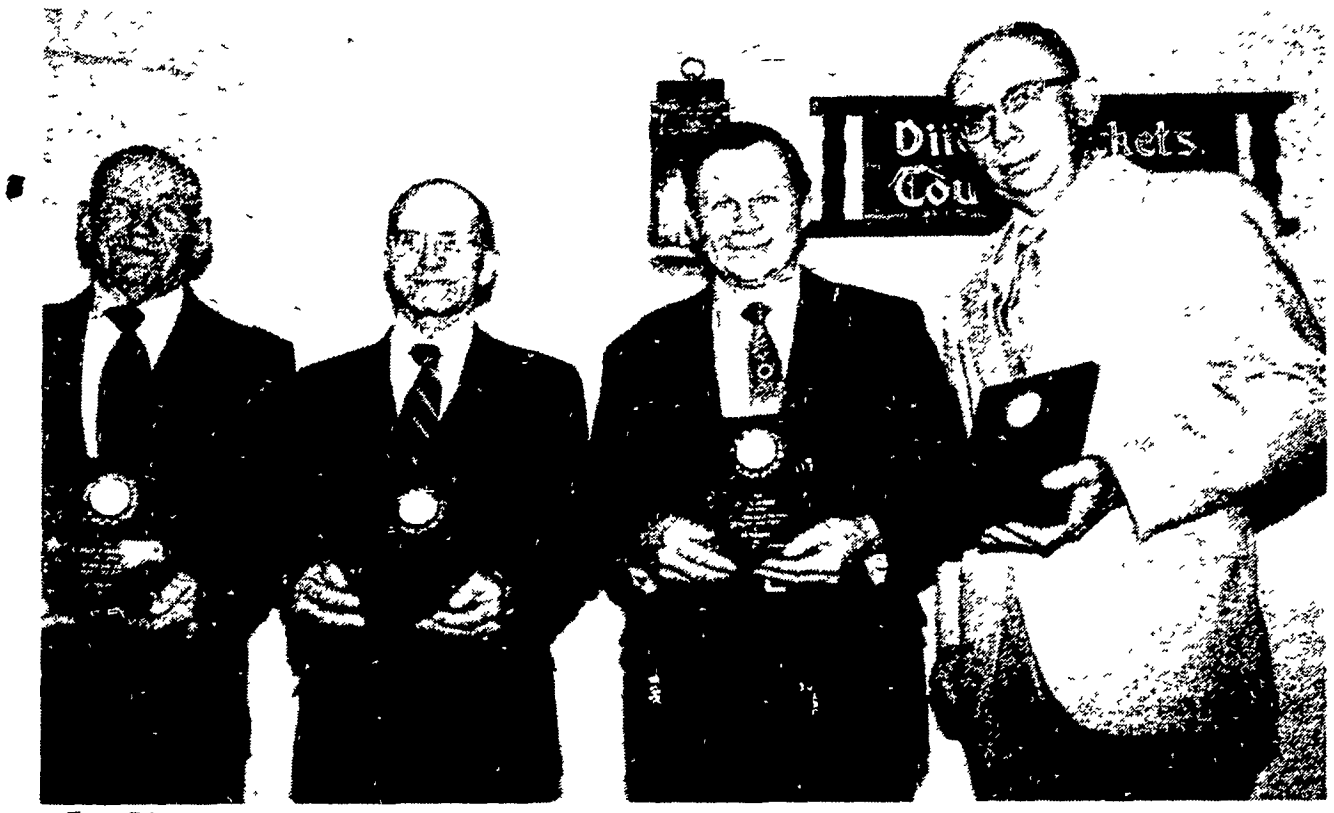

Four DHIA testers were honored for long service to Lancaster County dairymen. They are, from left, Robert Brinton, 20 years; J. Wilbur Houser, 25 years; Jay M. Risser, 25 years; and Harold Lindecamp, 30 years.

Richard G. Wenger's 77 Brown Swiss milkers produced an average 13,300 pounds milk and 546 pounds fat to top the County DHIA list for the breed. Presenting the plaque is Red Rose DHIA Vice President Jay E. Landis.

## Red Rose DHIA

(Continued from Page A18)

solid financial shape. The report was approved by members of the Association.

The Association also announced there will be a meeting of County DHIA directors in January. Exact time will be announced in the next few weeks.

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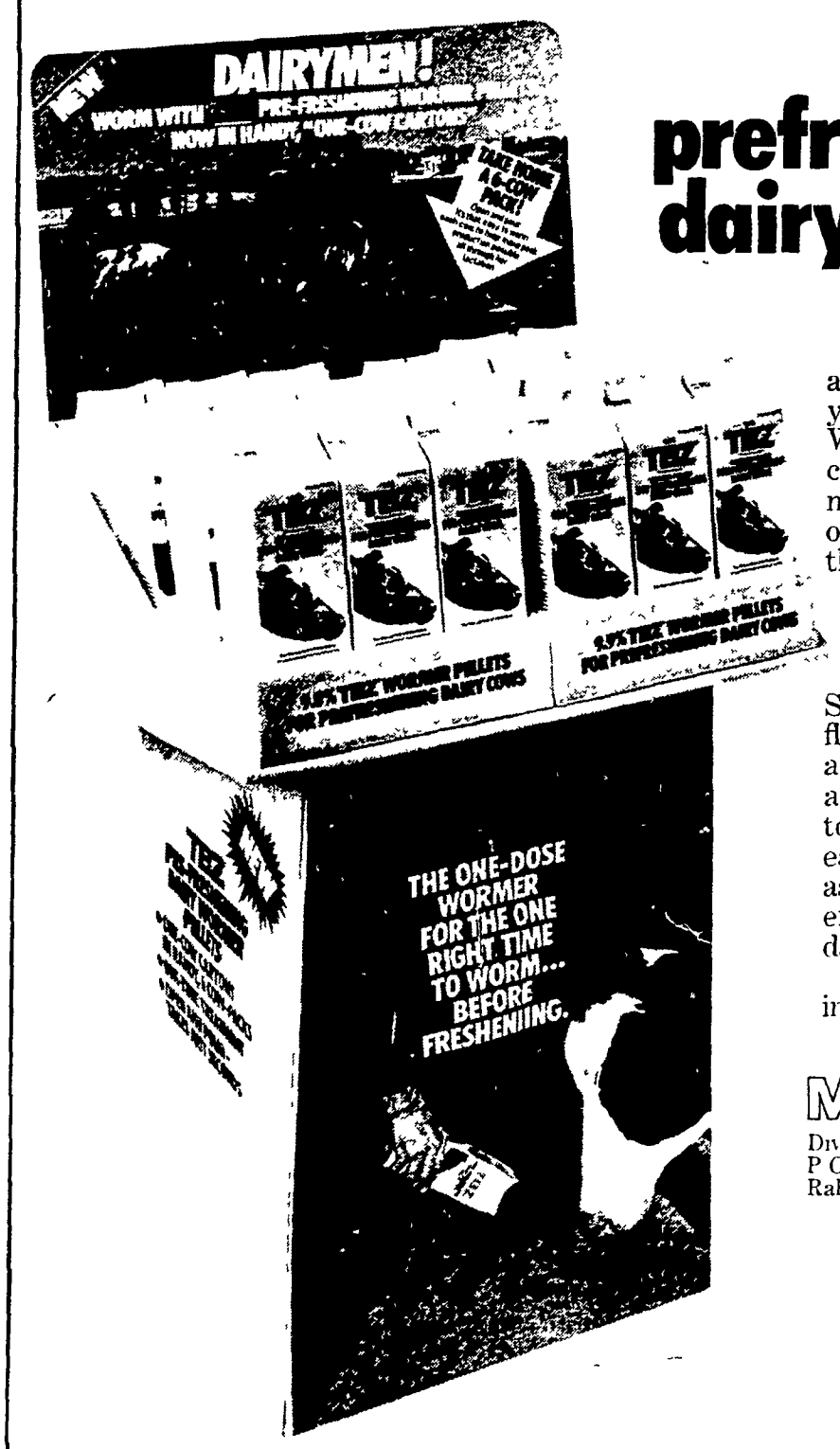


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Source
Published data for the years 1977 through 1979 (average of multiple locations where all six products were tested side-by-side from Iowa State University University of Illinois, University of Nebraska University of Minnesota, Purdue University—Indiana)

[1]Trademark of Stauffer Chemical Company [2]Trademark of FMC Corporation
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Before you decide which insecticide to use, compare performance.

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When you apply COUNTER at the recommended corn rootworm rate, you'll not only get broad-spectrum control, you'll also be getting the best rootworm control you can buy.

These published university tests of commercially available insecticides prove that none can equal the performance of COUNTER against corn rootworms.

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Real cost is not the price per bag, but the cost of the amount of product you need to effectively treat one acre

For example, if the amount necessary for corn rootworm control costs $8.00 an acre, and control of wireworms or nematodes requires 1-1/2 to 2 times the rootworm rate, then effective broad-spectrum control costs $12.00 to $16.00 an acre That's why the single-rate control of soil pests that COUNTER provides can save you money.

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If you grow soybeans as well as corn, you can take advantage of the COUNTER/PROWL rebate. Here's how. Just buy at least 25 gallons of PROWL® herbicide, and Cyanamid will rebate directly to you $2.00 per gallon.

That's a minimum $50 rebate on PROWL.

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Buy 800 pounds of COUNTER along with your PROWL purchase and get a bonus of another $50 That's a total of $100 or more. See your dealer for details.

So when the time comes to choose an insecticide, look around and compare.

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# COUNTER 15-G

Counter 15-G
SOIL INSECTICIDE—NEMATICIDE

# Berks calf sale averages 468 per head

BY LAUREL SCHAEFFER
Staff Correspondent

LEESPORT — The Berks County Cattleman's Club held their first annual club calf and feeder calf sale December 5th at the Leesport Market and Auction, and donated all proceeds raised from the sale of the 32 calves sold to the Berks County 4-H Center fund.

All calves sold were graded by Lester Burdette, Penn State University Livestock Specialist.

Top selling calf was an Angus consigned by Debra Krause, Slatington, that graded 15 plus. The calf which weighed 505 pound sold for $900 and was purchased by Robert Esbenshade, Lancaster.

Jesse Terry, owner of J V Polled Herefords, Douglasville donated a registered Polled Hereford heifer sired by Gainer BT LI King Dom 59H to the sale, all proceeds going into the 4-H Fund This calf, born April 21st sold for $570

Another sizable donation came from Spring Bottom Farm, Fairfield This consignor also sold a registered Polled Hereford heifer born January 10, 1980, donating all proceeds over $600 to the 4-H Community Center fund. The calf which was sired by Royal Liege sold for $850.

Spring Bottom Farm also gave the buyer the option of having the heifer bred to any of Spring Bottoms herd sires

The sale averaged $467 97 per calf sold for a total of $14,975 Seven percent of this amount was donated to the 4-H fund resulting in a total donation of $1,726 25

Kenneth Lieby, Auctioneer, donated his time and services to the sale as well.

Other consignors were Jim Dietrich, Hamburg, Rod and Mary Eaken, Bernville; Leroy H. Weist, Leesport; Ken-Rose Farms, R2 Reading; Schochary Ridge Farm, New Tripoli; Rufus Bashore, Mohrsville; William Pleasant, Frederick, Md.; James Bigham, Gettysburg; and Spring Run Farm, Abbottstown.

Donor of Polled Hereford heifer at Berks Cattlemen's sale, Jesse Terry, left, of J.V. Farm, Douglasville, is shown with auctioneer, Ken Lieby.

With Angus calf, which sold for $900 at Berks sale are the owner, Debra Krause, 10, of Slatington; and buyer, Robert Esbenshade, of Lancaster.

In ring with one of calves sold at first Berks Cattlemen's Association Club Calf Sale is 4-H'er Darlene Dietrich.

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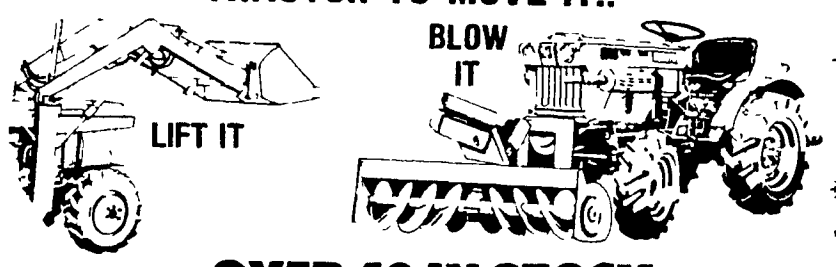


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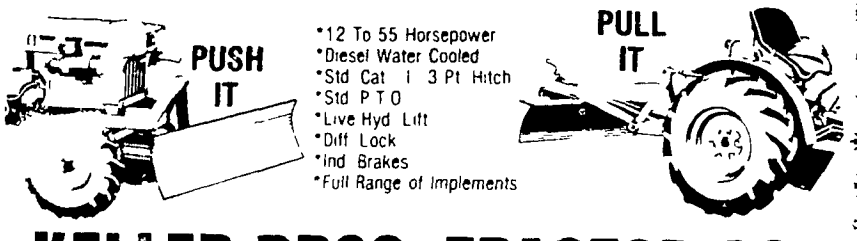


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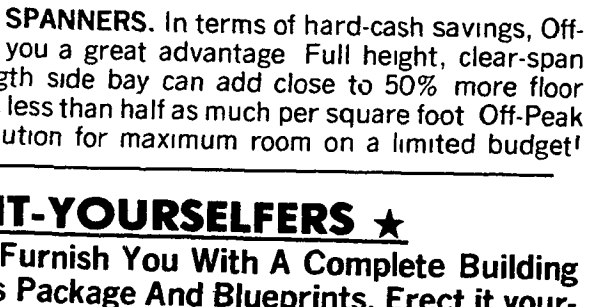

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# Governor signs bill

(Continued from Page A1)

Representatives Joseph Pitts and Noah Wenger, Vice-Chairman of the House Agriculture and Rural Affairs Committee, members of the Lancaster County delegation to the State House, and friends and farm owners in the area.

Governor Thornburgh termed Funk's Farm Market "quite an establishment" as he shook hands with friends and people attending the ceremony as well as customers of the market.

In response to a comment by host Amos Funk who commended the governor in his interest in agriculture, Gov Thornbugh said, "We're still learning We're continually becoming aware of the enormous part agriculture plays in Pennsylvania. We only hope this step and others we have taken will help "

The "other steps" he was referring to, according to Kirk Will, the governor's assistant press secretary are:

-Liberalization of the spin-off provisions of the Clean and Green Act to prevent ruinous add-back taxation for changes in land ownership which do not affect land use

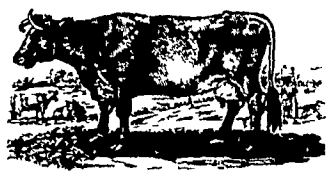
-Creation of a condemnation review board to ensure that valuable farm land is not taken for highway use unless there is no other viable alternative

-Creation of a milk producers' security fund to protect dairy farmers from the insolvency of milk dealers and processors

-Transfer of prison and welfare farm lands to the Agriculture Department to promote family farming

Kelly Funk beams with pride after handing Governor Thornburgh a cup of hot cider from Funk's Farm Market during the ceremony Wednesday.

-Exemption of family farm corporations from the Capital Stock Franchise Tax.

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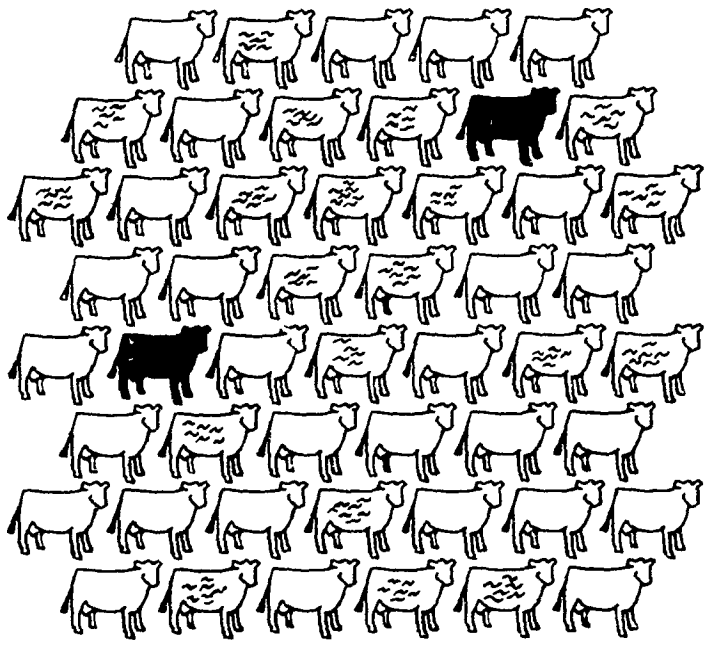

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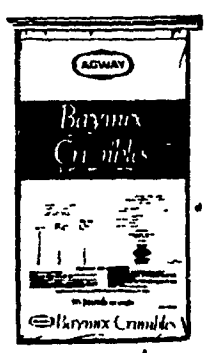


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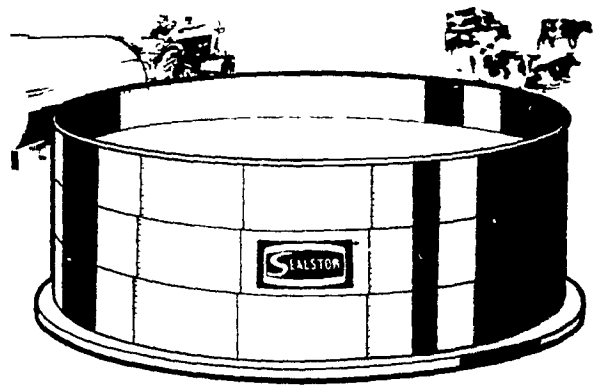


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*Average over 800 pounds fat*

# Benner herd tops Perry County DHIA

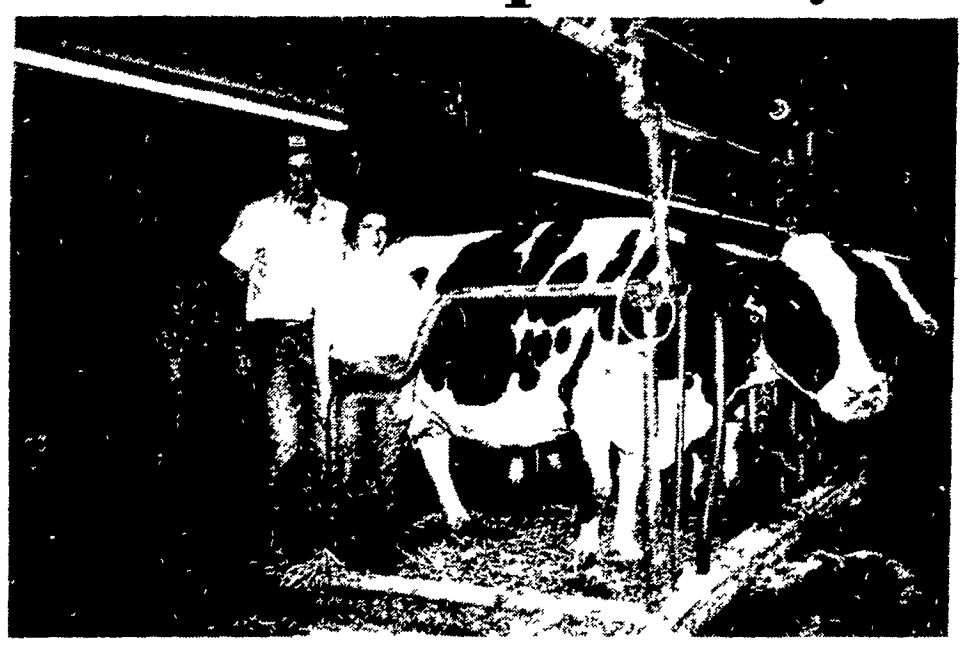
MILLERSTOWN — Kenneth R Benner's Registered Holstein Herd was recognized as the highest producing herd in Perry County for 1980

He received special recognition at the Annual Meeting of the Perry County Dairy Herd Improvement Association at the Perry Valley Grange Hall.

Benner's herd of 60 cows averaged 20,768 pounds of milk and 815 pounds of butterfat an all-time high for the county and the first to average over 800 pounds of butterfat The average for all the 62 herds with 3534 cows was 15,781 pounds of milk and 591 pounds of butterfat.

Full details on Benners' dairy management appeared in the July 12, 1980 "Lancaster Farming."

Roy E. Hall, President of the county DHIA presided at the meeting at which Merle Brofee, R2, Millerstown and Duane L. Hertzler, R2, Loysville were elected as directors for a three year term starting in 1981.



Monitor daughters like the pair of cows in the foreground boosted the Santee Acres herd to the top spot in the Perry County DHIA listing. Kenneth R. and Jane Benner's herd of 60 Registered Holsteins averaged 20,768 pounds milk and 815 fat, the first time a county fat average was over 800 pounds.

Galen Hench was introduced as the first Supervisor to serve when the association was organized in 1925. Present supervisors are Walter Stydinger, R1, Elliottsburg; J Michael O'Toole, R1, Blain; and David Shenk of R3 Newport.

In addition to President Hall, Ben Dum, R1, Elliottsburg served as Vice President, Kenneth Benner, R2, Millerstown as Secretary, R Walter Stydinger, Treasurer and Fred Neely, R2 Loysville, Carl McMillen, R1 Loysville and David Weller, R1, Elliottsburg as Directors for 1980.

Other herds over 650 pounds of butterfat were as follows. Milmay Farm, R1 Loysville - 747 pounds of butterfat; Ray E. McMillen, - 728 pounds of butterfat; Nevin G. Rice, Blain - 705 pounds of butterfat; Alfred Albright, Landisburg - 703 pounds of butterfat; Donald Dum, Elliottsburg - 701 pounds of butterfat.

Also Charles C. Byers, R1, Millerstown, - 696 pounds of butterfat; Dumbelle Farms, Landisburg - 693 pounds of butterfat; Delmar Brofee & Sons, R2, Millerstown - 677 pounds of butterfat; Benjamin E. Dum, R1, Elliottsburg - 673 pounds of butterfat; Dean Loy & Son, Loysville - 673 pounds of butterfat; Frank Rice, R1, Blain - 664 pounds of butterfat; Milligan Bros., Loysville - 662 pounds of butterfat; Carl E. McMillen, R1, Loysville - 656 pounds of butterfat and Max Reapsome, Loysville - 654 pounds of butterfat.

# Order 4 base price set at $13.79

ALEXANDRIA, VA — Middle Atlantic Order Market Administrator Joseph D. Shine Wednesday announced a November 1980 base milk price of $13.79 per hundredweight and an excess milk price of $12.48.

The weighted average November price is $13.77 and the butterfat differential for the month is 17.0 cents. The base milk price increased seven cents from the previous month and is 74 cents higher than last November's base price.

The advertising withholding rate, which is deducted from the base and excess milk prices only and not the weighted average price, was 12 cents a hundreweight this year compared to seven cents a year ago.

The gross value of producer milk during November was $63.2 million. A total of $552.1 thousand was deducted for advertising and promotion.

Shine said that producer receipts totaled 460.1 million pounds during November, an increase of 0.2 percent from the previous month, on a daily basis, and 7.5 percent above last November.

Class I producer milk totaled 234.0 million pounds and accounted for 50.86 percent of total producer milk receipts during the month, down from 55.31 percent in October and 58.53 percent last November.

Base milk accounted for 90.31 percent of total producer milk receipts in November, down from 92.26 percent a year earlier.

There were 7358 producers supplying Order 4 handlers during the month and the average daily delivery per producer of 2084 pounds was up six pounds from October and was 103 pounds or 5.2 percent above last November. The average butterfat test of producer milk was 3.84 percent for the month compared to 3 72 percent in October and 3.73 percent one year ago.

Middle Atlantic Order pool handlers reported Class I in-area milk sales of 6 8 million pounds per day during November, a decline of 1.6 percent from a year ago, after adjustment to eliminate variation due to calendar composition.

## *Milk hearing to run next Monday*

HARRISBURG — Pursuant to the Pennsylvania Milk Producers' Security Fund Act, Act 104, a hearing will be held beginning at 10:00 a.m. on December 22, 1980, in Room 309 of the Agriculture Building, located at 2301 North Cameron Street, Harrisburg.

The purpose of the hearing will be to receive testimony concerning Regulations proposed to implement and administer the new Pennsylvania Milk Producers' Security Fund.

The proposed Regulations would add Sections 151.9 through 151.13 to Chapter 151 of Part VII of Title 7 of the Pennsylvania Code. A copy of the proposed Regulations was published in the November 1, 1980 edition of the Pennsylvania Bulletin.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| John Deere 494 | ~~$850.00~~ | 770.00 |
| Oliver 4-row Plate | ~~1,250.00~~ | 1,125.00 |
| IH 455 4 Row | ~~1,050.00~~ | 950.00 |

USED BALER SPECIALS

| | | |
|---|---|---|
| JD 24T w/#2 ejector | ~~$1,650.00~~ | $1,475.00 |
| JD 24T w/#2 thrower | ~~1,650.00~~ | 1,395.00 |
| AC 444 | ~~850.00~~ | 775.00 |
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# Grain export executive outlines new grain priorities

COLUMBUS, OH — A grain export executive Monday spelled out new priorities facing U.S. agriculture policy planners as they assess domestic requirements and overseas market opportunities.

Myron R. Laserson, senior vice president-merchandising, World Grain Division, Continental Grain Company, told a meeting of the Ohio Corn Growers Association here that growing emphasis on gasohol production and sugar substitutes may bring about a drastic revision in marketing U.S. commodities.

"If gasohol production increases as now projected," he said, "we may be confronted by a real need to decide between feeding our animal herds and our automobiles."

While recognizing the need to develop alternative and domestic sources of energy, he questioned the implications.

"Can we continue - through preferential tax treatment or outright subsidy - the production of gasohol from grain to be used in the vehicles on the parking lots of our cities if it means denying food to our friends and customers overseas or changing our eating habits at home?"

According to Laserson, the fundamental issues are "who is going to establish control, how the rules will be written and how and where they will be applied."

He noted policy makers will correctly label inflation as a major problem and stressed the importance of encouraging greater and more efficient production so that economics of scale can keep the price of food affordable.

"Remember," he continued, "a marketplace expanding on a rationally-constituted basis works better than anything else to promote production and keep abundant food supplies available to all Americans."

Laserson called for increasing attention to food requirements of undeveloped and developing nations by leaders of this country and top officials of those nations.

"The impoverished of the world will not be immobilized forever," he said.


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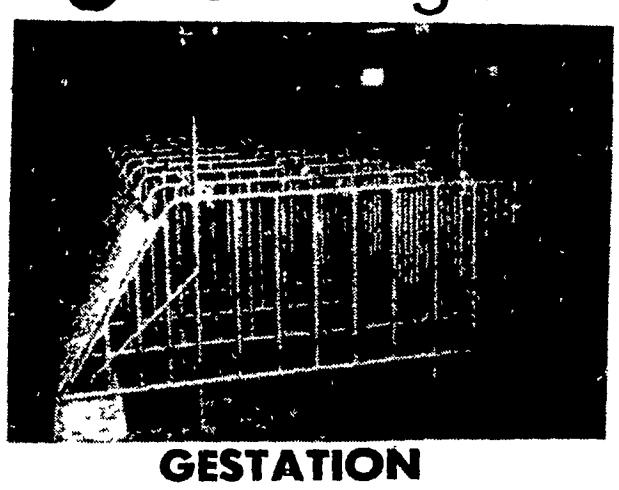
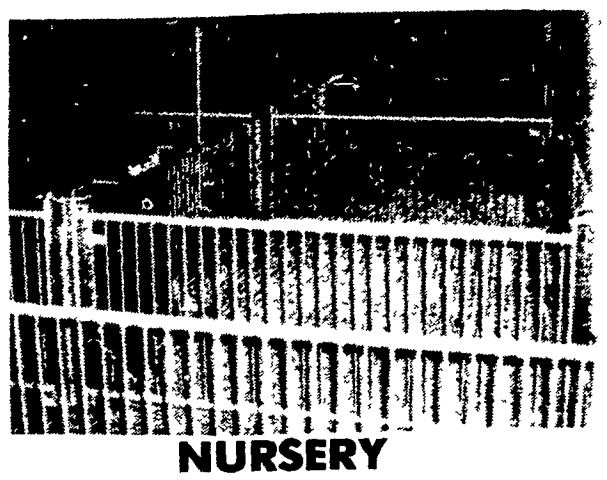


GESTATION



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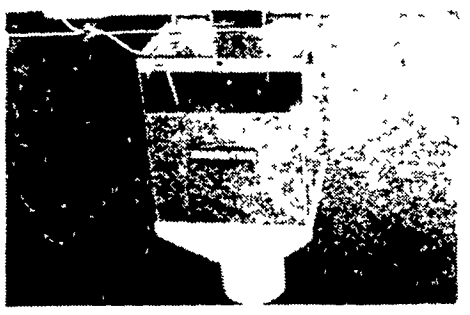

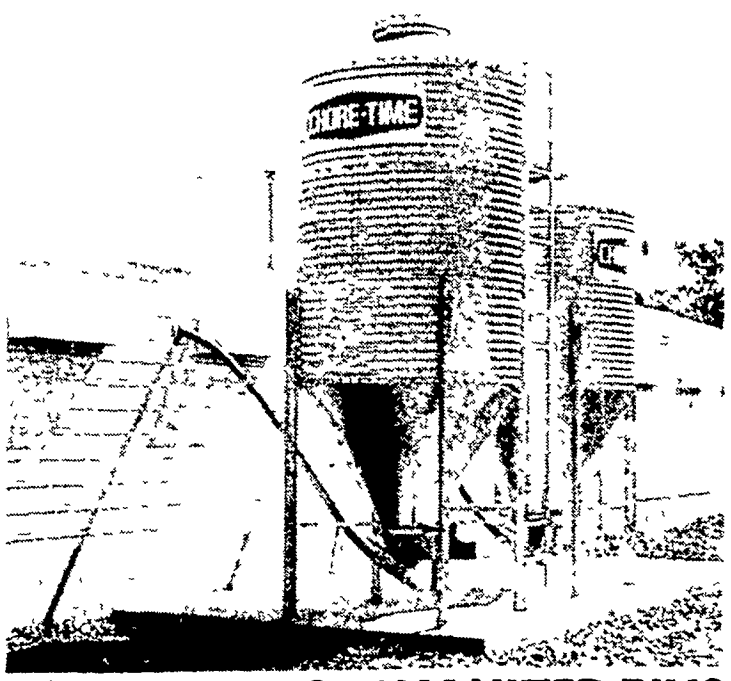


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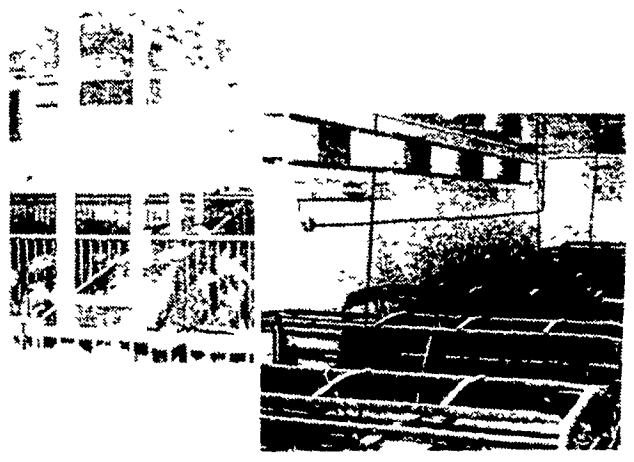

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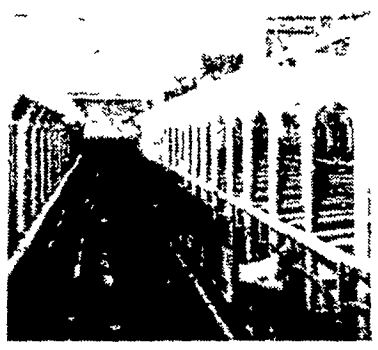

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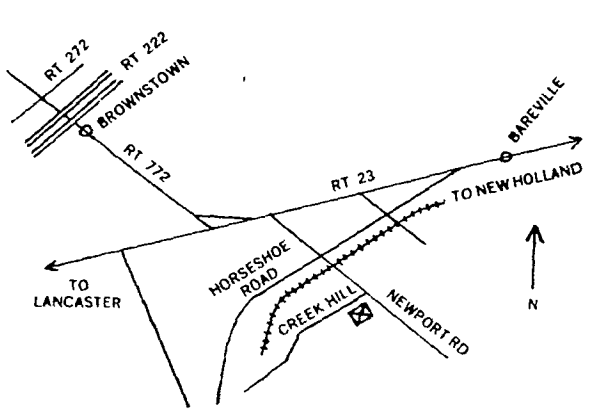


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*Directors elected at annual meeting*

# Holmes Farms tops Adams County DHIA

BY MARY MYERS
Staff Correspondent

HEIDLERSBERG — Bud Holmes of the Noel & Holmes Farms, R1 Hanover, accepted the award for top herd at Adams County's 52nd Annual DHIA dinner meeting.

The Noel & Holmes herd with more than 60 registered Holsteins on test averaged 19,246 pounds of milk and 753 pounds of butterfat.

Although not distinguished by receiving a trophy, Leroy Deputy's Holstein herd from R1 East Berlin was high in milk production The averages are 109 cows on test, 20,518 pounds milk, and 653 pounds fat

Piney Lane Guernseys owned by Mervin Myers, R1 Littlestown, placed second highest. Over fifty-five cows tested with averages of 14,088 pounds milk and 705 pounds fat.

Third place herd was Yelow-Buttercup Farm owned by Larry Mummert, R2 East Berlin. This herd averaged more than 108 registered Holsteins with 17,923 pounds milk and 701 pounds fat.

Richard Mills, R5 Gettysburg, was honored for having the herd with the greatest increase in butterfat production during the year. The increase was 98 pounds over the herd's average of fat produced during 1979.

Carol, a registered Holstein, owned by Stoner Brothers Dairy, R2 East Berlin, won top honors by having the highest lifetime record for both milk and fat.

During 14 lactations, "Carol" produced 225,815 pounds milk and 9574 pounds fat

Leroy Deputy, R1 East Berlin, is the owner of "Amanda," top milk producer for the year Her winning record is 30,516 pounds milk with 969 pounds fat.

Fifty-four herds were tested this year Fourteen achieved production in the category of 600 to 700 pounds butterfat

They are: El Rho Farm, R1 Abbottstown, 17,267 milk, 666 fat; Brown Valley Farm, R3 Littlestown, 17,273 milk, 663 fat; Stoner Brothers Dairy, R2 East Berlin, 17,646 milk, 658 fat, Weim Sharr Farms, R2 New Oxford, 18,142 milk, 654 fat; Leroy Deputy, R1 East Berlin, 20,518 milk, 653 fat; Roy A. Weaner, R6 Gettysburg, 16,268 milk, 649 fat.

Kling Ayr Farms, R2 New Oxford, 16,995 milk, 646 fat; Buttonwood Farms, R2 York Springs, 17,202 milk, 641 fat; James E. Miller, R4 New Oxford, 12,514 milk; 633 fat; William Myers, R3 Littlestown, 17,094 milk, 633 fat; Ray Dutterer, R2 Littlestown, 16,175 milk, 632 fat; Richard K. Herr, R5 Gettysburg, 17,597 milk, 617 fat; Eugene Witter, R1 Gardners, 15,748 milk, 611 fat; Penn Gate Farm, R2 Littlestown, 17,300 milk, 602 fat, rounded out the list.

Ribbons and certificates were awarded to the herd owners who achieved 600 or more pounds butterfat. The awards were donated by the Pennsylvania Dairymen's Association.

Three directors were elected to the DHIA board. The new members are Dan Leer, R1 York Springs; Vince Lobaugh, R1 Aspers; Bob Meyers, R2 Biglerville.

The group of over 300 heard presentations from several speakers. Among the various comments made, Ann Murren, Adams County Dairy Princess, thanked the dairymen for producing such high quality products; Tim Brown, State DHIA Director, shared with the group the up-coming physical changes that Penn State's testing lab will undergo and how it will affect them, Don Messinger, DHIA Supervisor, commented on how well the DHIA program in Adams County is utilized and without any formal promotion.

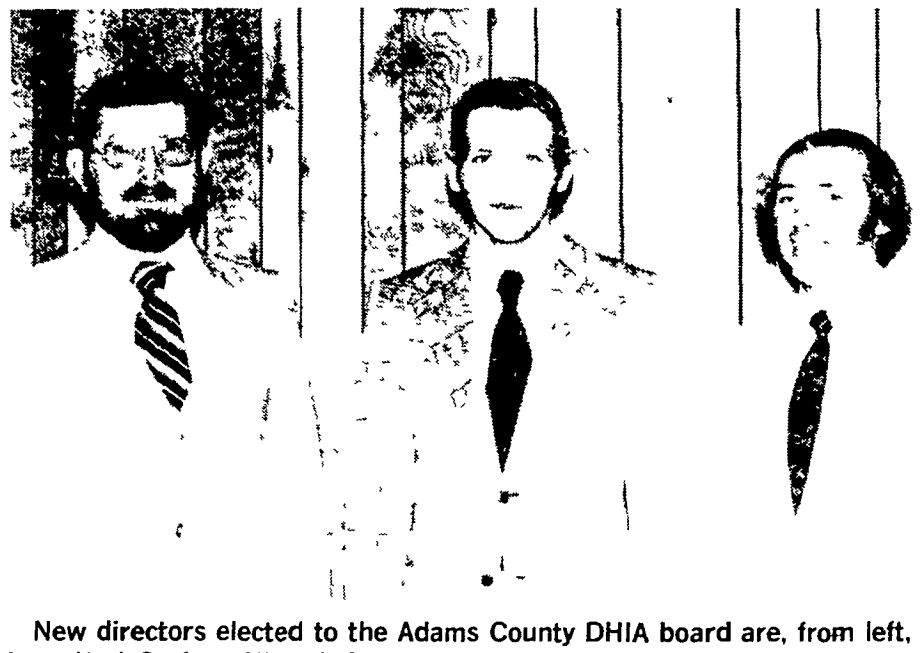
Tom Piper, extension county agent, offered a slide presentation featuring recent dairy events and farm improvement practices

Entertainment was provided by Wayne Rodgers, Sue Wenk, and Brenda Showers

Award winners at the Adams County DHIA Meeting include seated from left, Bud Holmes for Noel & Holmes Farms, high herd; Dave Myers for Piney Lane Guernseys, second high herd, Larry Mummert of Yelow-Buttercup Farm, third place herd. Standing are Leroy Deputy, high cow in milk; Sam Stoner of Stoner Brothers Dairy, high lifetime record cow in milk and fat; Richard Mills, greatest increase in fat.

Adams County DHIA directors include, seated from left, Jerry Stoner, Larry Wilkerson, Marcia Brown, Ray Dutterer. Standing are Vince Lobaugh, Tim Brown, Dan Leer, Bob Meyers, Charles Klinger.

Bud Holmes receives an award from Leroy Deputy for the Noel & Holmes Farms placing as the top DHIA herd in Adams County.



New directors elected to the Adams County DHIA board are, from left, Dan Leer, York Springs; Vince Lobaugh, Aspers; Bob Meyers, Biglerville.

# Penn Agrihol plans alcohol production in 1981

BY SHEILA MILLER

GRANTVILLE — "We are leaving the age of petroleum and entering the age of alcohol," commented James Kessler, vice-president of the recently incorporated cooperative called Penn Agrihol.

The cooperative held its first official meeting last Thursday at the Landis Valley Motor Inn, Lancaster. Kessler termed the meeting successful with about 40 people attending to hear what the co-op has to offer.

Since its beginnings last May, the group, going under the name Kelmanada, recruited about 20 members. This past September, after their official incorporation, the co-op began operating under their new name Penn Agrihol.

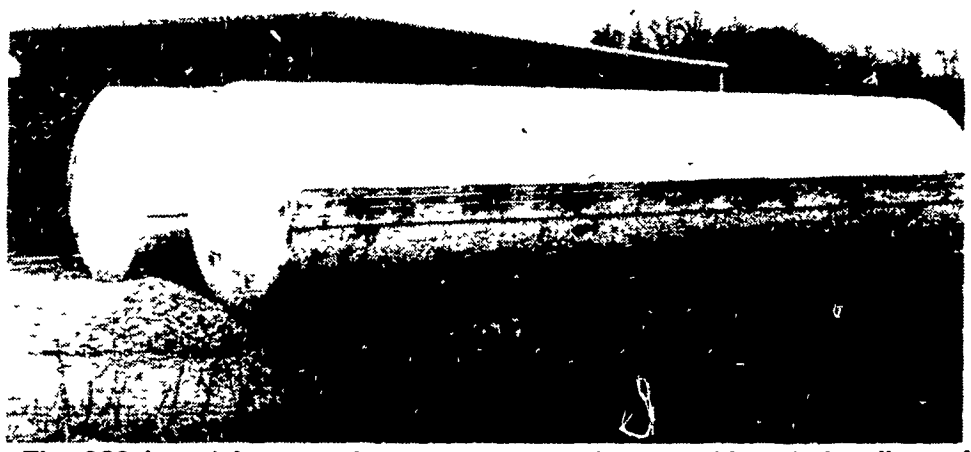
Serving with Kessler on the co-op's board of directors are Stan Keller, Grantville, president; Burt Nestelroad, Parkesburg, secretary-treasurer; Douglas Spotz, Grantville; Dan Wilhelm, Harrisburg; and John Shellenhammer, Palmyra.

What will the co-op be offering its members?

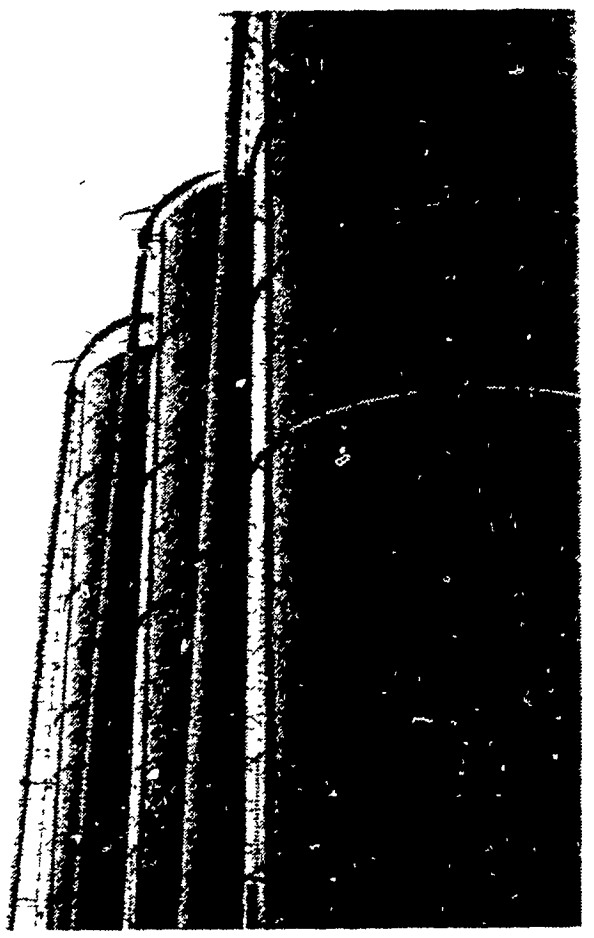
According to Kessler, Penn Agrihol eventually will be offering alcohol as an alternate fuel to its members at a reduced price. At the present time, however, the co-op has not started making the fuel — it's studying three different methods of manufacturing the alcohol from grain.

"We're shooting to be in production by mid-summer of next year," said Kessler. "We should be making the final decision on which method of production we'll be using within the next month, based on recom-

(Turn to Page A28)



The 900 barrel fermentation tanks will be able to hold 45,000 gallons of "beer" once Penn Agrihol's alcohol production gets into full-swing.



These three 20'x60' silos will soon be filled with corn — not for feed but for alcohol.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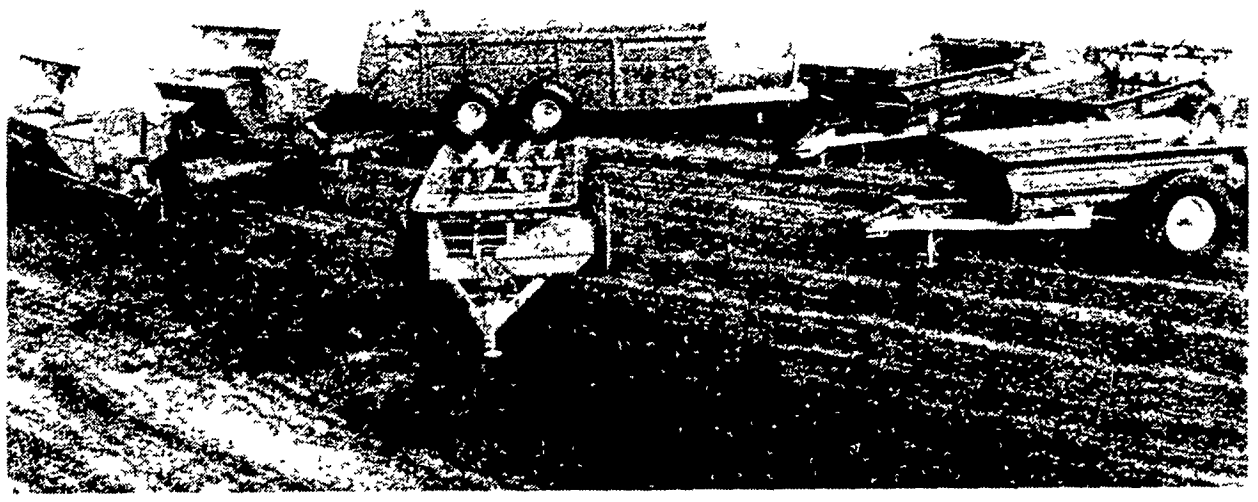

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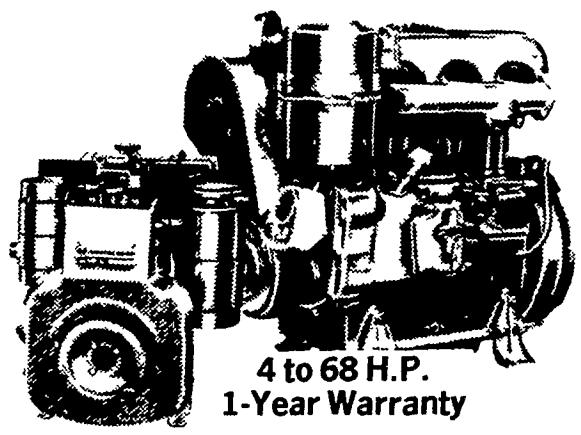

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# Penn Agrihol

(Continued from Page A27)

mendations by our team of experts."

Kessler explained the co-op is looking at the advantages and disadvantages of the conventional technology of cooking grain to produce alcohol, or the more advanced method, "state of the art technology", called extruding.

One other method, and the one that the co-op is leaning towards, admitted Kessler, is the reactor He noted this method is the most efficient way to produce alcohol.

In all three methods, the grain is milled and prepared for the liquifaction process This step in the production of alcohol makes starch from the grain available for yeast to work on in the cooker and extruder methods, or for enzyme action in the reactor.

Sacrification is the next step in the process, where starch is turned into sugar. Fermentation follows, with six or seven batches of "beer" being made at a time.

Kessler explained beer consists of ten percent solids These solids, called stillage, are separated from the brew by centrifuge. These "wastes" are then pressed down to about 65 percent moisture and become a high-protein feed called distiller's dried grains

"The profitability of an alcohol plant depends on how the DDG are handled," noted Kessler. He pointed out Penn Agrihol hopes to ship its 65 percent-stillage to co-op members without further drying down by convection heat in order to save on expenses.

DDG is an important by product because for every 2.5 gallons of alcohol produced there are 18 pounds of DDG to deal with, said Kessler

"In our area, we aren't corn deficient when it comes to feeding livestock — we're protein deficient. Feeding distiller's dried grains can add a 30 percent protein source to a ration," he said.

The co-op vice-president added he expects to see a net return of 62 cents per gallon from the sale of DDG This money, he said, will go back to the co-op, with members receiving a return on their dollar investment once the co-op turns profitable

One problem with handling DDG at 65 percent moisture is spoilage — it has to be used within five days

"We're looking into drying it down to the right percent moisture to store it as silage," said Kessler, "but we have to look at it from an economic stand point."

After the stillage is separated from the beer in the alcohol production process, Kessler said the next step is distillation The co-op is looking at an experimental distillation column that, according to Kessler, would reduce the cost of production to a fraction of current costs using previous methods

"This chemical separator will give 200 proof alcohol without a dehydration column which uses benzene or unleaded gas to take the water off," he explained

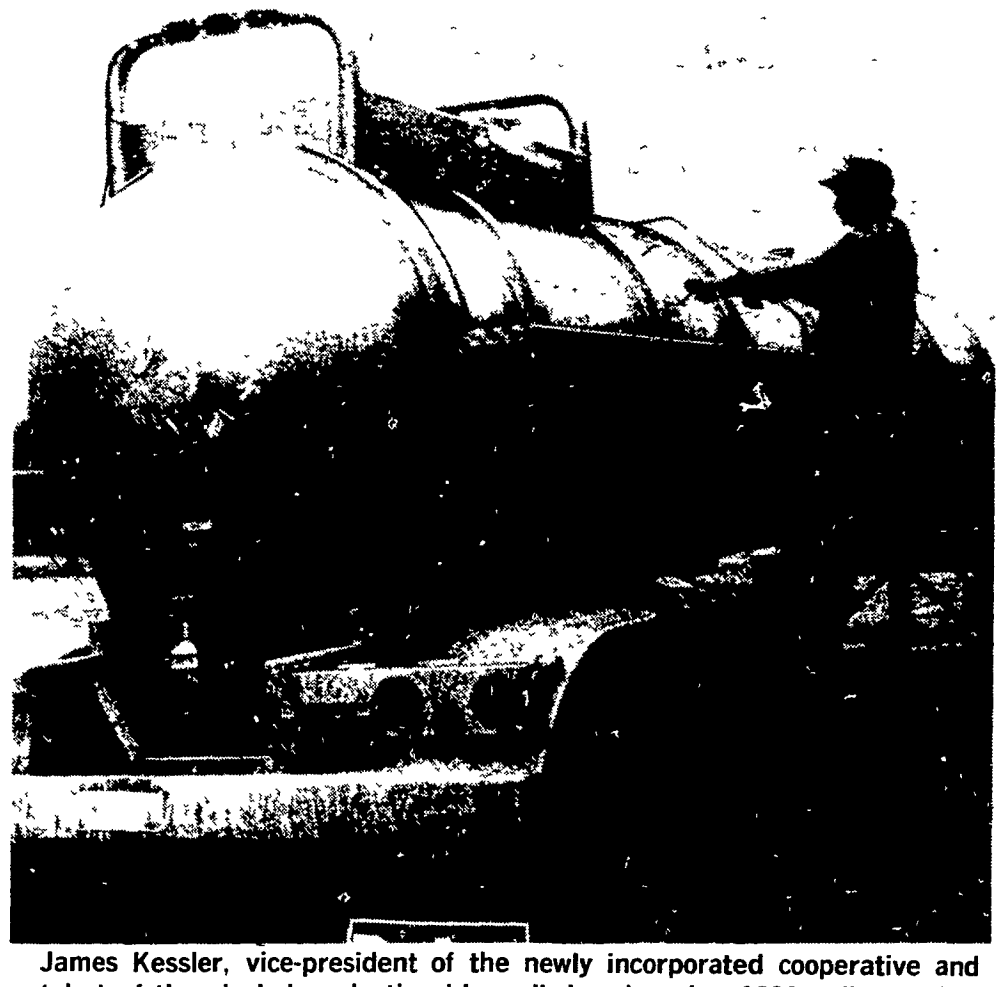
Kessler anticipates the cost for the equipment needed to get the operation running to be about $1 per gallon of alcohol produced in a year He optimistically projected the co-op, however, would recover its costs within a year

Giving Penn Agrihol some help in getting off the ground is a liquid fertilizer business, Kelmanada. The co-op will be using the company's facilities for an office, and will be relying on its tankers, silos, and trucks for a while, said Kessler

One of the co-op's first purchases was a million BTU boiler — gotten out of a dormitory at Penn State This boiler will be used to run the plant or a smaller faction of the alcohol process, noted Kessler He added alcohol production uses a lot of steam

Concerning co-op membership, Kessler said he expects farmers in this area to be more interested in paying the one-time fee so they can secure the distiller's dried grains — more than getting the alcohol itself

But, he noted, there may come a time when the gasoline lines are long enough and the price of petroleum fuel is high enough that alcohol will be the only economical choice. Co-op members will have first in line in the event of a fuel shortage, he said.



James Kessler, vice-president of the newly incorporated cooperative and catalyst of the alcohol-production idea, climbs abroad a 4600 gallon tanker which will be used to transport Penn Agrihol's finished product — alcohol for fuel.

"Right now the U.S. uses about 350-400 million gallons of alcohol each year. Out of this, only 250 million gallons are derived from grains

"Industry projections for the turn of the century, however, is for alcohol consumption to be up to 7 53 billion gallons per year."

Kessler compared the change from petroleum powered engines to alcohol with the switch farmers made after World War I from horse power to tractors

He pointed out the technology for alcohol production is being refined so quickly that it's a "matter of keeping up" with it all

He noted with an edge of excitement in his voice that he expects within two years the technology will be perfected for using cellulose — wood chips, garbage, corn stover — in alcohol production. This enzyme process will change the face of alcohol production, he said

"Right now, the technology is based on corn, but we can use all of the cereal grains without any difference in alcohol quality The only difference is the greater alcohol yielding potential in corn because of the greater amount of starch in the kernal

"What's good about alcohol production is we can use any corn — even the stuff that's unfit for animals to eat Moldy, distressed, and No 3 corn is fine," Kessler said.

"Penn Agrihol is looking at what it can do today — but we have our eyes on the future," Kessler concluded

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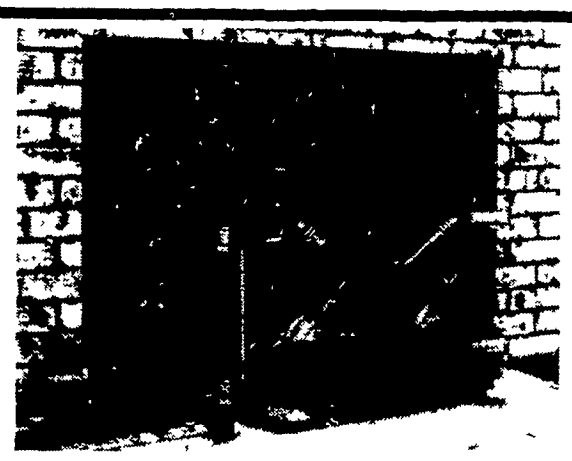

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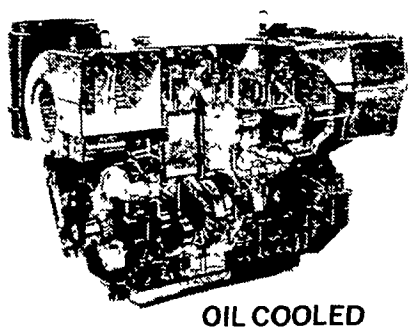

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# Study reveals no significant difference in feeding DDG

GOLDEN, Co. — In a recent report of the Solar Energy Research Institute, there was no significant differences in weight gains, feed efficiency, or general health observed between steers fed dried distillers' grains in place of corn at rates of 0 percent, 15 percent and 30 percent.

The study, conducted at Colorado State University and supported by the Biomass Energy Systems Branch of the U.S. Department of Energy, looked at the feed value of a protein-rich by-product of a process to produce ethanol fuels from grains.

In the trial, steers were randomly assigned to six pen treatments with each treatment being replicated. Along with there being no significant difference in weight gains, feed efficiency, or general health, there were also negligible differences in carcass quality.

At the time of the study, DDG was valued at $113 per ton. However, if its full value as a protein supplement had been credited, it would have had a value of $131 a ton. The market price for DDG at the time was $150 per ton.

Prior to this study, there was no information about animal responses to levels of DDG in the diet other than low levels used to balance protein requirements in rations. Because a diet containing 30 percent DDG provides about 50 percent more protein than an animal requires and increases the fiber content of the diet, the study was designed to determine the effects these increases would have on performance.

Eighty-four steers, averaging 760-pounds were weighed, tagged, wormed, and implanted with Synovex-S before entering the trial. The major rations components were corn silage, flaked corn grain, beet pulp, and protein supplement.

At the start of the trial, the cattle were fed a 40 percent concentrate ration which was later raised to 80 percent concentrate. The cattle received 0.75 pound per head per day of protein supplement.

The DDG mixture obtained from Midwest distilleries had 29 percent protein, 10 percent crude fat, 10 percent crude fiber, 4 percent ash, and 47 percent nitrogen-free extract.

At the end of the four-month trial, the cattle were slaughtered and the following measurements were calculated: feed intake; feed efficiency; total weight gain; average daily weight gain; hot carcass weight; dressing percentage; backfat thickness; kidney fat as percentage of body weight; ribeye area; marbling score; yield grade; USDA quality grand; and condemned livers due to abscesses.

The study found there were no important differences due to nutritional treatments between the cattle.

Steers fed the 30 percent DDG diet gained about 0.2 pounds per day more than other groups. This fact was not statistically significant, they pointed out, because those steers ate more feed, making the feed efficiency essentially the same.

Only two statistically significant differences were found:

—the 15 percent and 30 percent DDG diets produced a thicker fat cover, and

—marbling scores were higher for the control pen and 30 percent DDG diets than for the 15 percent DDG diet.

These statistics, however, are not expected to affect beef quality, the report stated.

# Spent hens

(Continued from Page A1)

afternoon portion of the day-long meeting included efforts to expand both markets and processing capacity for spent hens.

Principal guest speakers during the marketing discussion were Robert R. Coleman, who heads up Membership Services for the Farm Bureau's national fowl marketing program; and Michael Arcidy, who directs the FACTS program for PACMA in Pennsylvania

Colemen's presentation was a combination sales pitch for the national program and a passing criticism of the FACTS operation.

Colemen distributed a number of reports showing progress in signing up new states and producers in the national program during the past year. One report listed total AAMA fowl sales of 10,117,462 hens for 1980, an increase of 49 percent over 1979 This is the highest number of hens sold since the program's start in 1971. The report also listed a 25 percent increase in membership with five new states joining in 1980.

In answer to a question, Arcidy stated that just less than one-fifth of the available spent hens in Pennsylvania are marketed through FACTS.

Nationally, more than 200 million spent hens are marketed annually.

The greater emphasis on the national marketing program is an attempt to gain more clout in combatting the Number One customer for spent hens – the Campbell Soup Co.

Also speaking at the session were Marlin Miller, PACMA manager; and Joseph Buck, Director, PACMA's Poultry Division.

Before going into executive session, further exploration and fact finding on the marketing situation was directed to be conducted between Miller and John Hoffman, of the Pa. Poultry Federation.

Concerning the need for more processing plants for spent hens in the Northeast (there are only four), it was explained that a new large plant may be located in Massachusetts, which would require 250,000 hens a week. This plant would be entirely for export.

In relation to expanding markets, two major efforts were mentioned.

First, efforts would be continued to increase the percentage of chicken in soup due to the two-thirds market domination by Campbell's.

Another effort is centered on gaining acceptance for spent hen minced chicken patties. The USDA is now conducting a test program of using some 504,000 pounds through the school lunch program.

It has been pointed out that if marketing of spent hen patties could capture just two percent of the hamburger market, that would be enough to utilize all of the spent hens throughout the country.

# Higher loan levels for reserve grain

WASHINGTON, D.C. — Producers placing 1980-crop grains in the farmer-held reserve Wednesday became eligible for special higher loan levels and interest on those loans will be waived as a result of President Carter signing the Agricultural Act of 1980.

Secretary of Agriculture Bob Bergland said wheat producers placing this year's crop into reserve will receive a $3.30-per-bushel loan, compared to the $3.00 loan level for wheat not in the reserve program. 1980-crop corn going into reserve will receive a $2.40 loan, compared to the $2.25 loan for non-reserve corn.

Producers placing 1980-crop barley in reserve will receive a 12-cent premium above the $1.83 loan level for non-reserve barley.

Producers with 1980-crop wheat, corn and barley already in reserve may request the higher price supports at their local county ASCS office, Bergland said. Reserve release and call prices are not affected by today's action.

The act also provides for a 7-cent reserve premium to the current oat loan level of $1.16 per bushel and 14-cent premium to the $2.14-per-bushel loan for non-reserve sorghum. However, oats and sorghum have already been called from reserve.

Bergland said the new higher loan levels for reserve commodities will help strengthen the reserve program.


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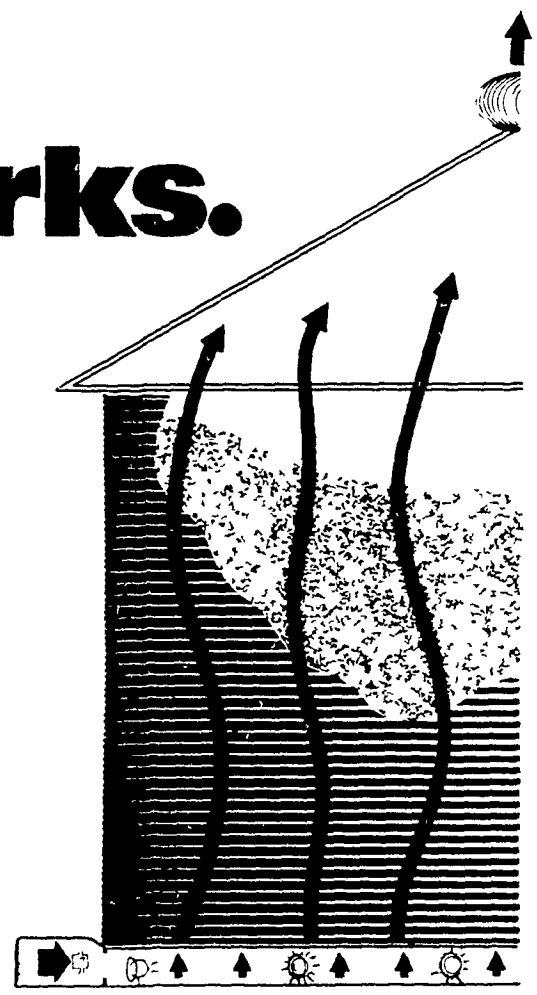

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# Farm groups oppose strings on Clean and Green tax law

BY CURT HARLER

HARRISBURG — Plans to attach strings to the Clean and Green tax break, often allowed by Act 319's preferential ag tax assessement, have met opposition from state farm groups and other organizations..

At a Wednesday hearing, farm groups reacted strongly against methods used to attach regulations to Act 319 which the Pennsylvania Department of Agriculture has proposed.

On Thursday afternoon the Secretary of Agriculture announced he would form an advisory committee to review the regulations as submitted and look especially at Section 137.10C.

The Secretary said he will solicit nominees from county commissioners whose job it is to administer Act 319's provisions, as well as from farm groups.

Among other things, the new rules would require an approved forestry management plan in order to receive Clean and Green tax treatment for forest reserves. They also would require land in an ag preserve be 60 percent in soil use classes I to VI

Both the State Grange and Pennsylvania Farmers' Association said they believe the Department's proposal 137 10C to require a management plan goes beyond the authority granted the Department by the legislature in Act 319.

Neither opposed the Department's general concept, but both were strongly against the methods to implement the program.

Farm groups did praise the simplified language of the measure.

The Department is under no mandate to change the proposal. If changes are to be made, another hearing will have to be held.

The Department wants the regulations adopted before the July 1, 1981 sign-up deadline for this year's Clean and Green program. Those currently in the program will not have to comply if the new regulations are enacted.

PFA said it believes the proposals exceed authority granted the Department under Act 319 and could pave the way for more Clean and Green restrictions such as mandatory conservation plans for farm land

In testifying for PFA at a hearing on Wednesday, Leonard Crooke, a Bucks County dairyman, came down hard on the proposed forest land regulation.

Crooke told the hearing PFA policy states "government regulatory functions should be based on law."

He added that PFA feels Acts 319 and 515 should be implemented and administered without the imposition of penalties not provided by the statues themselves.

"It is our belief that this exceeds the authority granted under the Act," Crooke said.

"As such, the requirement of a forest management plan for eligibility for forest reserve and the penalties for non-compliance with that plan, must be opposed by PFA," he said.

The PFA representative said the regulations were an inovative move, but said the group was "gravely concerned" by an apparent move to broaden the Act to something other than one granting preferential assessment.

The Pennsylvania Grange, while saying they support the concept of requiring a managment plan, opposed regulation as the method to obtain that end. They said they prefered to see the Department go through legislative chanels.

They also said they would like to see the definition broadened to include both Bureau of Forestry and ASCS timber stand improvement as satisfactory to meet Clean and Green requirements.

Grangers, represented by Public Relations Director David Weinstock, also asked the minimum acreage go from 10 to 25 acres.

What the Grange liked least was the idea that the Department was trying to enforce the measures by bypassing the legislative process.

Both PFA and the Grange agreed the proposals go beyond the original intent of the legislators who drew up Act 319, the enabling legislation for Clean and Green.

But Weinstock said that while the Grange opposes the regulatory route, they would support the Department if it tried to institute the requirements legislatively.

The two major farm groups were joined in their opposition by members of the Pennsylvania Forestry Association, the state Sportsmens Association, the Hardwood Association, and representatives of timber interests in Pennsylvania.

The lumber representatives, citing the legal requirement to treat all parties equally, said any proposal to require forest land to have a conservation plan should be joined by a similar plan covering cultivated farm land.

The committee to look into the groups' objections should be formed within the next 30 days.

# Six Del. 4-H'ers win national honors

CHICAGO — Six Delaware 4-H members received national recognition for their projects at the National 4-H Congress, November 29-December 4. They are Chris Kittila, Valerie Moore, Tami Gundry, Steve Majchrzak, Debbie Stradley and Jon B. Harcum.

Chris Kittila, of Seaford, son of Mr. and Mrs. Allan B. Kittila, won a $1000 scholarship sponsored by Eastman Kodak for his photography project. Chris is a member of the Seaford Blue Jays 4-H Club.

Valerie Moore, a member of the Porter Gang 4-H Club, was awarded a $1000 scholarship for her health project by Kraft, Inc. and Eli Lilly. Valerie is the daughter of Mr. and Mrs. Irwin C. Moore, of Bear.

In the field of foods and nutrition, Tami Gundry was awarded a $1000 scholarship by the General Foods Corporation. Tami, the daughter of Blanche and John Gundry, Seaford, is a member of the State Line 4-H Club.

Steve Majchrzak, son of Mr. and Mrs. Dennard R. Hill, Seaford, won a $1000 scholarship award for his 4-H swine project. This award was sponsored by Wilson Foods Corporation Steve belongs to Sandy Field 4-H Club.

Jon Harcum and Debbie Stradley were named national alternates. Jon, a University of Delaware agricultural engineering student from Laurel, was recognized for his automotive project. The son of Mr. and Mrs. Edward Harcum, he is a member of the Peach Blossom 4-H Club.

Debbie, daughter of David and Margie Stradley, Middletown, won recognition for her breads projects. She is a member of the Ever Ready 4-H Club.


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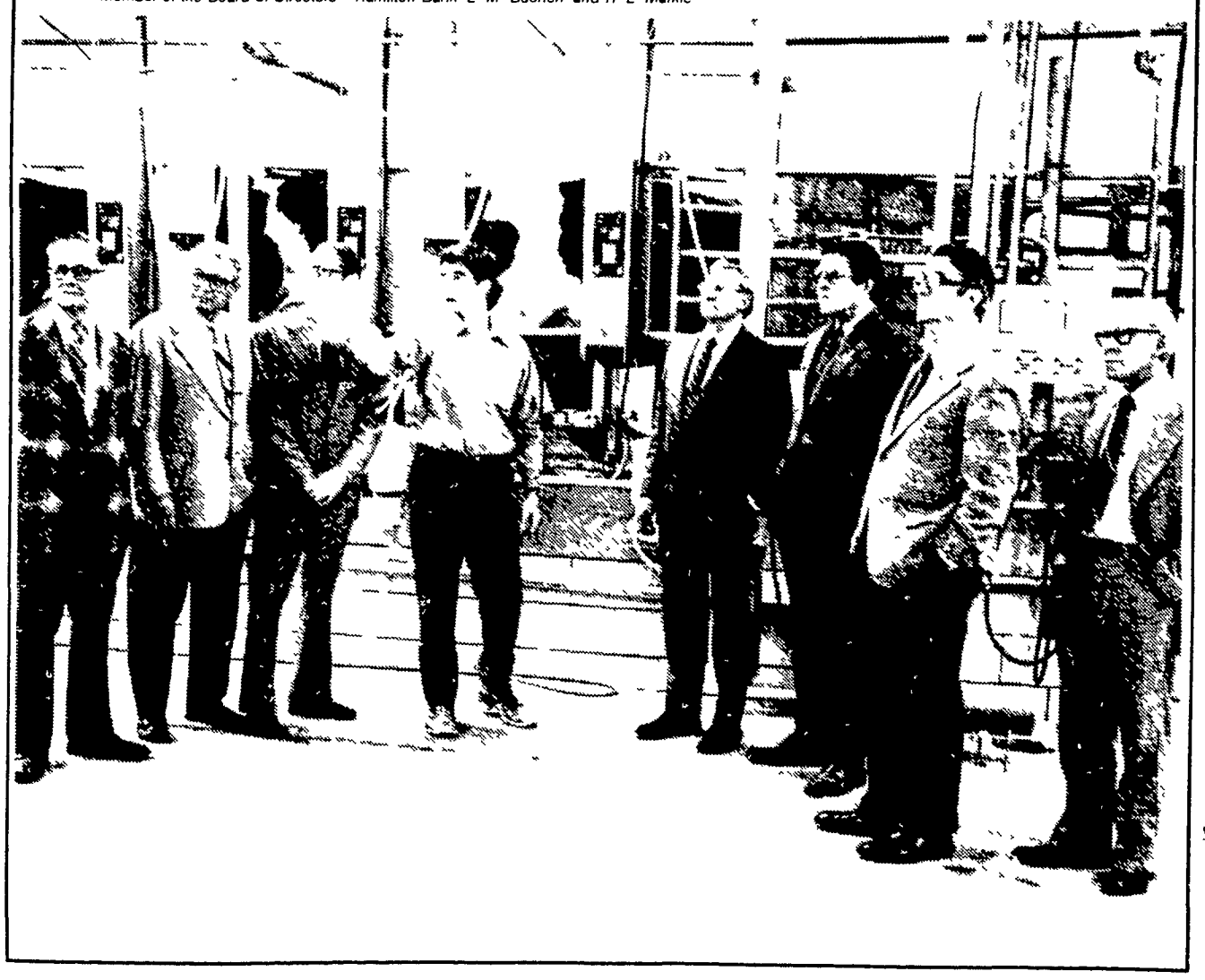

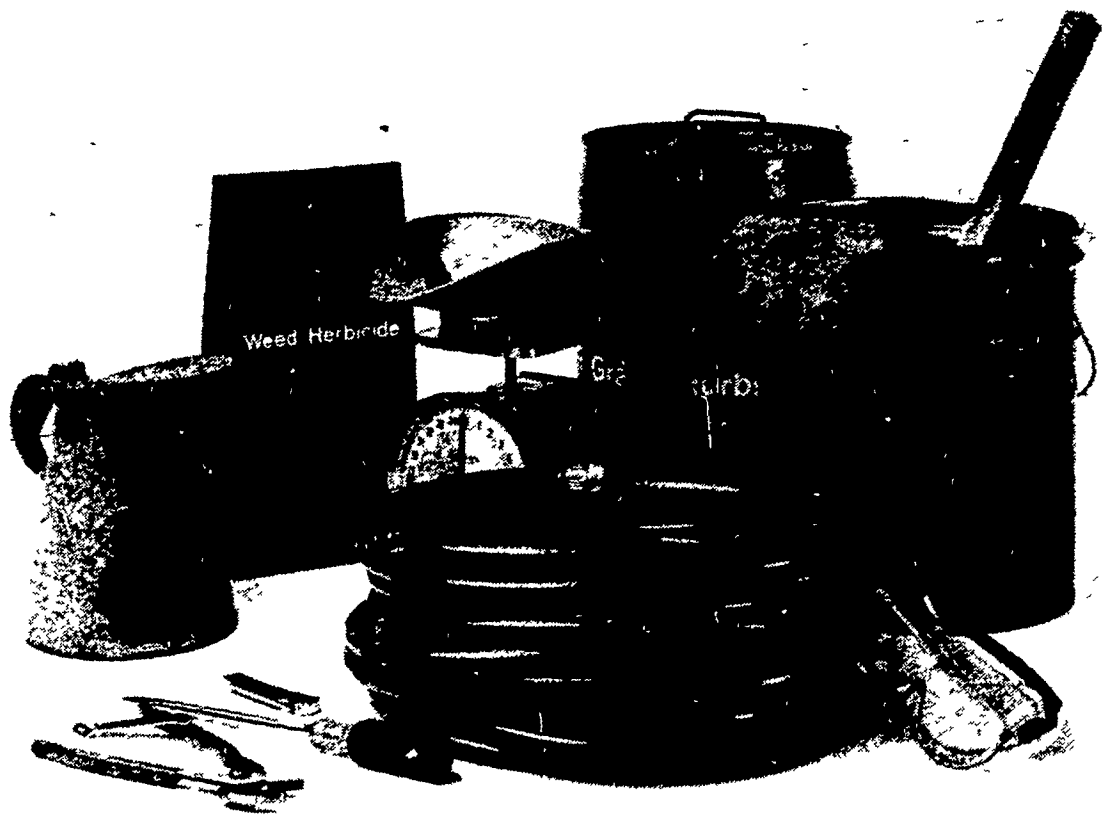


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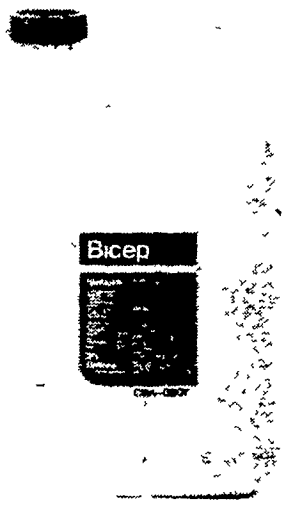


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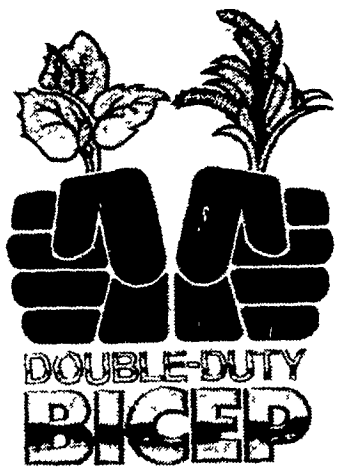


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# Lancaster County's Wilbur Houser talks 'testing' for quarter century

BY SHEILA MILLER

LAMPETER — What's the difference between a milk tester and a DHIA supervisor? About twenty-five years of service, according to J. Wilbur Houser, who's in his twenty-sixth year of sampling Lancaster County dairy herds for production records.

Fifty-nine year old Houser explained that when he first started his career in the county's Dairy Herd Improvement program in 1955, he used to be responsible for testing each cow's milk that he sampled Now, he said, Penn State does all the testing and he is officially called a "supervisor" rather than a milk tester

What else has changed in those twenty-five years of sampling milk in Lancaster County herds?

With a grin that never seemed to leave his face, Houser recalled, "Back when I first started, there was only one milking parlor operation on my circuit The rest of the farmers milked with bucket and pail and we weighed the milk with scales And, only one farmer had a bulk tank

Now, it's the other way — all the farmers have either pipelines or parlors and everyone of them has a bulk tank."

Houser also remarked that in the quarter-century he's been on the job, he's seen the size of the milking herds increase dramatically

"In the 1950's, if a farmer had 50 cows, that was considered to be a big herd Now the county average for herd size is 58 7 cows The average 25 years ago was about 30 '

What also has changed, said Houser, is the method of testing milk He recalled that when he first became a tester he ran the Babcock test, using a centrifuge and sulfuric acid. Now, the testing is done electronically by Penn State

"I was glad to get away from that," Houser smiled, "because keeping that acid in the home was dangerous "

The age of computers has made the job of a DHIA supervisor easier, too Houser said he used to have to do all the bookwork on individual lactations and production records by hand.

"The computers that are available today give you more information that's more uniform. And it's done in a much faster time," he conceded

When Houser gave up his dairy farming profession to become a milk tester in 1955, there were more mixed herds on his circuit, he said But today there are few mixed herds on his 30 herd circuit.

"I sample one Brown Swiss herd and several Guernsey herds — but the predominant breed of dairy cattle is Holstein, and mostly all registered cattle, too "

The reason why there are fewer grade cows in his circuit Houser attributes to culling

"I think it can be said that the grade cows you still find are some of the best cows in the herd But farmers cull their grades a lot harder than their registered cattle I believe they're hoping those poorer producing cows that have papers will come around someday," he chuckled

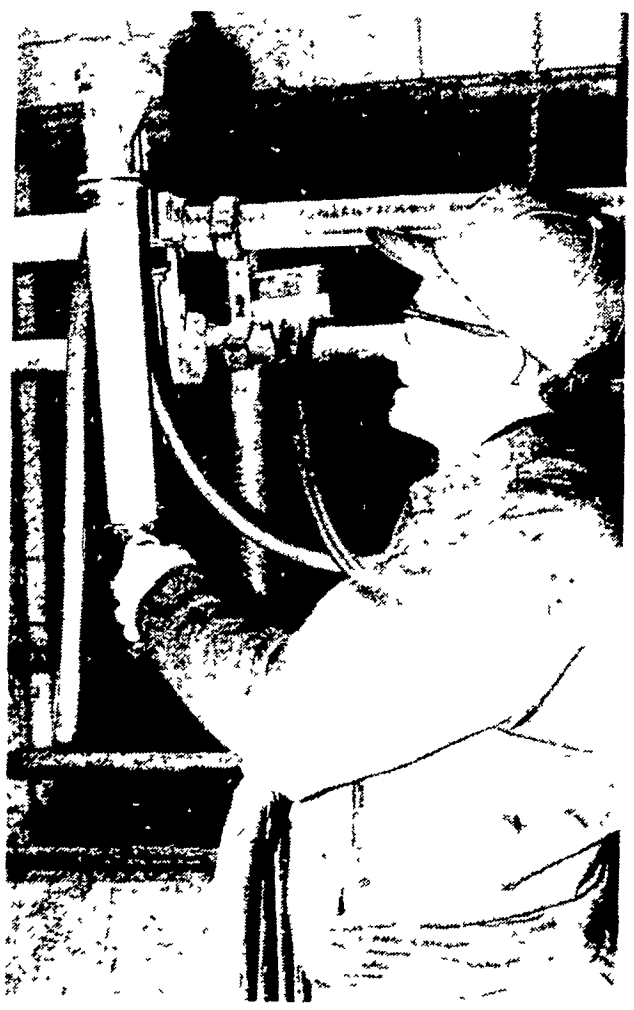
Houser, along with his wife, Elsie (who came from a Guernsey farm — but Houser said he didn't hold that against her) milked Holsteins for 11 years until he was forced to give it up for health reasons. Now, as a DHIA supervisor, Houser said he appreciates the opportunity of working with good livestock even though he doesn't have any cows himself

What about the high production records on some cows milking close to 30,000 pounds? Houser remarked, "These heavy milkers obviously are under more stress, but some cows can handle it better than others. And you'll find some cows do better one lactation and taper off the next

"A general rule of thumb I learned from an old dairy farmer when I was milking I think still holds true in most cases. If a heifer does extra well on her first lactation, she won't match her production later. Maybe she overdoes herself — I don't know."

In 1955-56, the Lancaster County herd average for

(Turn to Page A33)



Houser mixes Rhelda's milk in the milk meter before sampling it. He said, "The first milk always tests the least and the last tests the highest. This way the sample is accurate. Last month, Rhelda's milk production record was 101 pounds, and it's going to be high again."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# Wilbur Houser

(Continued from Page A32)

milk production was 9568 pounds In 1980, the average has risen to 14,941 pounds of milk

Houser attributes this increase to better management by dairy farmers, better sires available through AI, and better feeding programs through forage analysis

One draw back to his job, Houser confessed, is the irregular hours he has to keep He said his earliest farmer milks at 3 40 in the morning and his latest starts around 6 in the evening

"This variation wasn't so bad in the early days because most of the testers then were single men and they stayed overnight at the farms where they were testing Now, nobody stays overnight anymore — and there are two women supervisors in the county

There are hazards to his job, said the Lancaster County head supervisor. "There's always a certain amount of risk of getting pinched, kicked, or stepped on when you walk in beside a cow to get to the pipeline for the sample," he said

Houser laughed when he said he wishes farmers would put their windows in quicker in the fall "I get cold quick "

His job almost would be perfect, too, if farmers would never over-sleep and they would all milk at 7 a m and 4 p.m., he grinned

"The best part about the job though is meeting and working with people Besides, I can't retire yet — I can't afford to," Houser smiled.

Wilbur Houser, left, discusses lactation records with John M. Harnish, Beaver Valley Pike, Lancaster. Harnish's herd is the top producing herd on Houser's circuit. His 163 Holstein cows' record stands at 19,214 pounds of milk and 689 fat. Last year, one of Harnish's top cows, Gladys, milked 29,045 pounds with 960 fat.


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# USDA plans technical analysis for FUEL

YORK — FUEL, the alcohol fuel cooperative started by leaders of York County Farmer's Union several months ago, reports that the USDA has agreed to do a technical analysis for the cooperative

The study will survey market potential, feedstock availability and the overall economic feasibility of alcohol fuel production in York and neighboring counties.

FUEL president George Hoke announced Thursday that James Goff and Frances Yager, agricultural marketing specialists with the USDA Agricultural Cooperative Service, will be in the York area this week to begin the survey.

Hoke has called a meeting of the cooperative for Tuesday at Pleasant Acres Ag Center, 118 Pleasant Rd , York at 7 30 p m

The meeting will offer the opportunity to consult with the USDA on alcohol production

"The primary objective of this farmer-controlled venture is to develop an alternative fuel option for people who do not want to remain dependent in oil companies," Hoke said

"Petroleum fuels are headed for two dollars plus a gallon," Hoke added. "Our Middle East oil sources are now dangerously vulnerable to a cut off by border wars. Pennsylvania family farmers cannot survive under these conditions unless they have their own independently controlled source of fuel for farm production."

"If we rely entirely on the big oil companies to supply us with alternative fuels (gasohol), we will pay captive prices for that fuel," Hoke said.

Hoke also announced that the cooperative is searching for interested people to invest in the venture and make it possible, and that the public is invited to attend the Tuesday meeting


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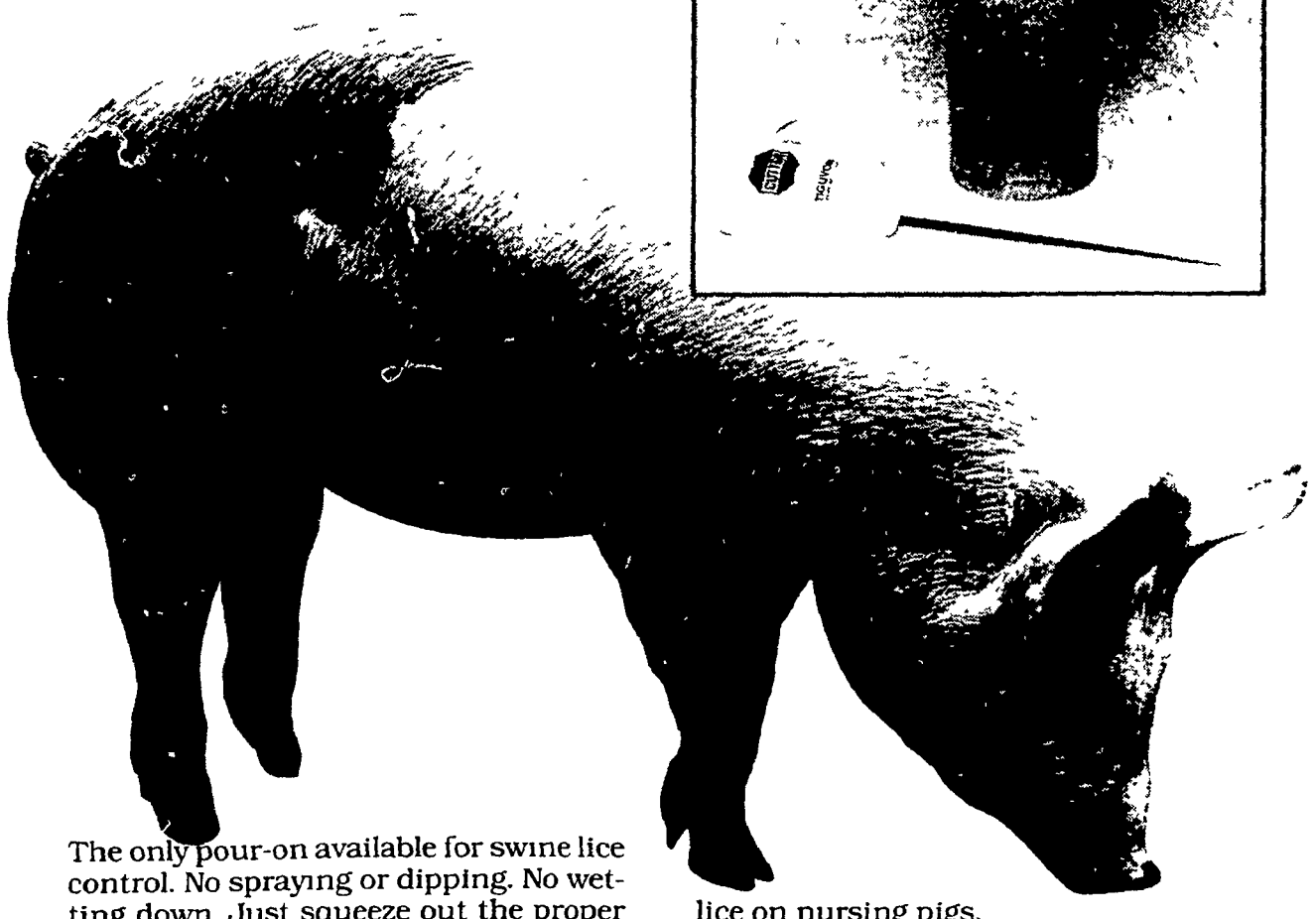

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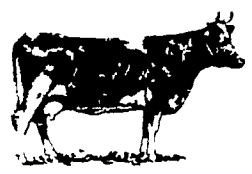

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# Berks County names ASCS officers

READING — Five Berks County men were elected to office in the County Agricultural Stabilization and Conservation Service committee balloting.

Named Chairman for 1981 was Mark S. Balthaser, R1 Bernville.

Lester W. Gelsinger, R1 Robesonia, will serve as vice chairman.

Newly elected as a regular member is Wilson H. Rohrbach, R1 Mertztown. Rohrbach will serve a three year term.

Elected first alternate is Clyde K.A Baver, R3 Kutztown.

Second alternate for the Berks County ASCS is Frederick J Bohn, R1 Myerstown

The ASC County Committee presently is administering the Agricultural Conservation Program including long term agreements and annual agreements, the commodity loan programs at 11½ percent interest, farm storage and dryer facility loans at 12½ percent interest, the wheat and feed grain programs

They also administer the wool, USDA emergency and defense programs and monitor farm supplies as needed. With this year's drought the Committee is also administering the Emergency Feed Program and the low yield disaster program.

The ASCS office also handles the sales of Federal Crop Insurance

ASC community committeemen include

Comm 1 - Bethel, Marion, Tulpehocken Frederick J Bohn, R1 Myerstown; Donald E Landis, R1 Myerstown, Bruce T Younker, 1589 Bethel, Earl L Brown, R1 Myerstown, Frank Troutman, 1485 Womelsdorf

Comm. 2 - Jefferson, Upper Tulpehocken, Penn James R Yost, R1 Bernville; LaVerne C Koenig, R2 Bernville; Harvey C Krill, Jr., R1 Bernville; Curtis G. Wolf, R1 Bernville; Evald B Wicks, Strausstown.

Comm 3 - Tilden, Upper Bern, Center: Clarence R. Luckenbill, R1 Bernville; Roscoe Haag, R1 Box 80B Mohrsville; Woodrow W Werley, R1 Box 165, Hamburg; Rae M Hix, R1 Mohrsville; Nicholas Kopicz, R1 Mohrsville.

COMM. 4 - Perry, Windsor, Ontelaunee, Bern, Muhlenberg Robert L. Seidel, R1 Lenhartsville, Ernest H. Epting, R2 Hamburg, Harry R Kauffman, R3 Box 314 Hamburg; Ronald Weyer, R2 Box 228A Hamburg; J Bruce Leiby, R2 Hamburg.

Comm 5 - Albany, Greenwich: Clyde K. A Baver, R3 Kutztown; Brian A. Bond, R2 Kenpton; Ralph G. Sanner, R3 Kutztown; Richard C. Wieder, R2 Kempton; Guy W Long, R1 Lenhartsville

Comm 6 - Longswamp, Rockland, District, Maxatawny, Hereford Wilson H Rohrbach, R1 Box 16 Mertztown; Charles A Savidge, R2 Box 31 Mertztown; Harold L. Angstadt, 1426 Fleetwood, George R Delong, R1 Kutztown; Earl W. Latshaw, R1 Box 689 Alburtis

Comm 7 - Richmond, Maidencreek, Ruscombmanor· Kermit C. Schlegel, R2548 Fleetwood; Warren W. Berger, R3 Kutztown; Leroy J Biehl, R1 Box 73 Kutztown; Feryl J. Treichler, R3 Kutztown; Arthur F Hoch, R2464 Fleetwood

Comm 8 - Oley, Pike, Exeter, Alsace, Lower Alsace: Daniel E. Levengood, R1 Oley; Mark G Hoch, R2 Oley; Earl Mensch, R4 Box 410 Boyertown; Marlin R Stoltzfus, R2 Douglassville; David Hauseman, R4 Box 311 Boyertown.

Comm 9 - Colebrookdale, Douglas, Earl, Amity, Washington: Earl R. Hafer, R2 Douglassville; Wilson R Hoffman, R1 Barto; Ralph Drey, R2 Douglassville; Ralph T Spencer, R3 Boyertown; Frederick J. Walters, R2 Douglassville.

Comm 11 - Caernarvon, Robeson, Union, Brecknock, Cumru Gregg Eshelman, R3 Mohnton; David O. Shirey, Box 49 Geigertown; Gary Stoltzfus, R2 Elverson; David L. Glass, R1 Birdsboro; Wilmer G. Kraybill, R2 Elverson.

Comm 12 - North Heidelberg, Heidelberg, Lower Heidelberg, Spring, South Heidelberg· Norman H Bare, R5 Sinking Spring; Charles R. Kissling, R1 Robesonia; Edwin E. Gelsinger, R1 Wernersville, Forrest Stricker, R1 Wernersville; David A Schaeffer, R3 Wernersville.

NOTE· The first name in each community is the Chairman; second is the Vice-Chairman; third is the Regular Member; fourth and fifth are the First and Second Alternates

# Keep holiday fires in the fireplace

YORK — Think about the many things that are part of a joyful holiday season - trees, lights, candles, paper decorations - and guess what you've got? - built-in fire hazards, warns Marceil A. Seckman, Extension Home Economist

They have a number of suggestions to help you prevent fires in your home this holiday season.

* Always keep a live Christmas tree damp Saw off an inch or so at the butt end, so it can absorb water.

* Don't place lighted candles either on, or anywhere near the tree

* All Christmas tree lights should carry the UL label, which means that they have met American safety standards

* Keep the tree away from heat sources such as radiators and TV sets and out of major traffic lanes.

% Never burn gift wrappings, boxes or packaging materials in your fireplace. They burn rapidly and the high heat which they generate can result in flames that may ignite any soot deposits in the chimney.

* Keep a portable flame extinguisher handy.

* If you haven't already done so, install a smoke detector.


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# County 4-H club holds banquet

DEBBIE KOONTZ

LANCASTER — Members, parents and leaders of six 4-H horse and pony clubs met Saturday night for their annual club recognition banquet at the Farm and Home Center

Richard Hempfield, principal at Hempfield and former 4-H leader was the toastmaster for the banquet which honored state winners, outstanding parents and various other club members for their 4-H achievements throughout the past year

Evelyn Myer was given the Friend of 4-H award for her outstanding leadership and contribution for the handicapped riding program.

Myer coordinated all volunteers for the program which helped the riders earn $1300

This money, according to County 4-H Agent Nancy Myers is to be used toward boarding the horses, expansion of the program and instruction booklets for more members

Four-H leader Carol Henkel presented a slide presentation on the Handicapped Riding program entitled "Therapeutic Horsemanship in Lancaster County."

the program helps 4-H'ers and the handicapped For the 4-H'ers it's a project and a learning experience and for the handicapped, it's a therapeutic experience which 4-H and Easter Seals provides, according to Nancy Myers.

Members placing at the state 4-H show were given plaques by their leaders

Special awards were given by 4-H club leaders from the six clubs for perfect attendance for three years, most improved member, outstanding teen leader, high sponsorship, best demonstration, trail ride, sportsmanship, project book and outstanding parent

A special award for good humor was also handed out - recipients being chosen by members

Valerie High, president of the horse and pony club, stands with her horse during a ride for the handicapped. Despite the thunderstorm which occurred during the ride, the 4-H'ers finished their ride without dismay.

Mary Ewing, Junior Queen of the horse and pony club sets astride her horse at the ride for the handicapped.

Nancy Myers followed the awards presentation with a talk on "Horse Tales" She presented excerpts from various project books describing experiences of club members

Following remarks by Jay Irwin, county agent who reported what's happening in horse and pony 4-H in the county, Kendy Allen presented a slide presentation on "The Year of the Horse" The slides presented 4-H'ers in various events and settings throughout the past year

According to Nancy Myers, the banquet was an excellent way to recognize all members of the horse 4-H clubs, not just state winners

"Everybody seemed to enjoy the programs which featured themselves and their horses We had fun putting it together"


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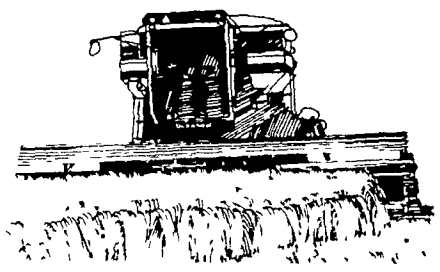

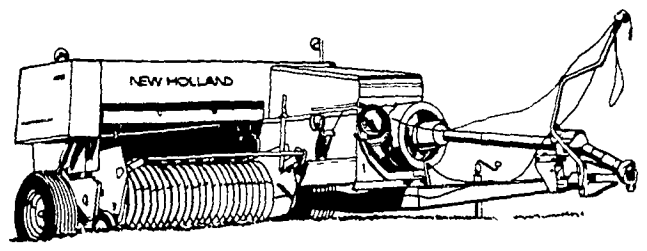


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# 4-H'er wins nutrition award

NEWARK, Del — For Seaford teenage Tami Jane Gundry, eight years of fun and fellowship in 4-H have paid off in a big way. Tami has been named a national 4-H award winner and recipient of a $1000 scholarship at the National 4-H Congress in Chicago Nov. 29-Dec. 4, where the awards were announced.

Tami is one of four national winners from Delaware, all chosen by the Cooperative Extension Service on the basis of their accomplishments in 4-H project work, leadership and citizenship.

The 17-year-old high school senior is the daughter of Blanche and John Gundry, Route 3, Seaford. Her brother Tony, 14, is also active in 4-H, and her mother has been an assistant 4-H leader.

Tami's award-winning activity was in foods and nutrition. As part of her project she conducted demonstrations on baking for her club. She won the state contest in the foods category with a "red velvet" cake.

An honor student with an aptitude for science and English, the poised and pretty brunette has also found time to become an expert baton twirler. She is captain of the Seaford High School majorettes, and frequently solos with the band.

During her junior year she was a delegate to the Governor's school for excellence, and was also awarded a scholarship to band camp. This year she was an alternate delegate to Girls' State

When the Gundrys are not involved in the operation of the family farm, they work together on a new house, a five-year project they hope to complete by Christmas. They are also active in the Seaford Methodist Church, where Tami is president of the Methodist Youth Fellowship.

After graduation in June, Tami hopes to spend a year abroad with the American Field Service in England, France or Spain. If she is not accepted in that program, she plans to enter West Virginia University to study medical technology.

Tami's 4-H scholarship award and trip to Chicago was provided by General Foods Corp


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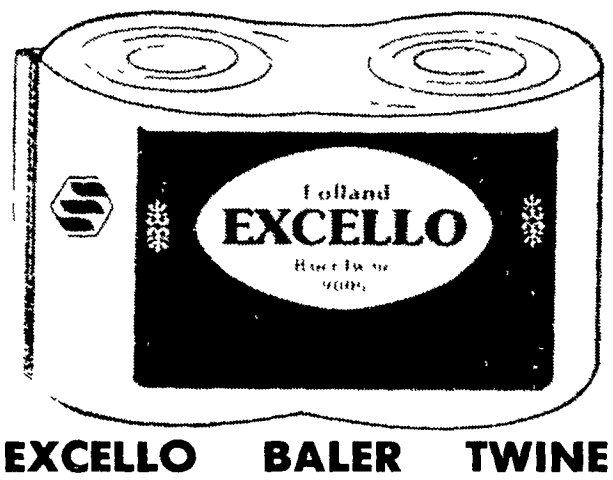


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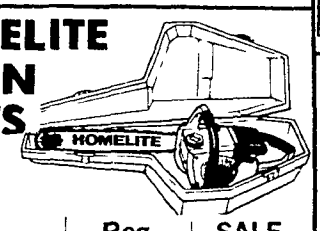


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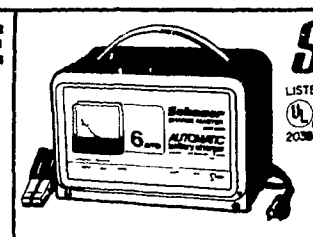


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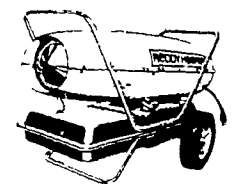


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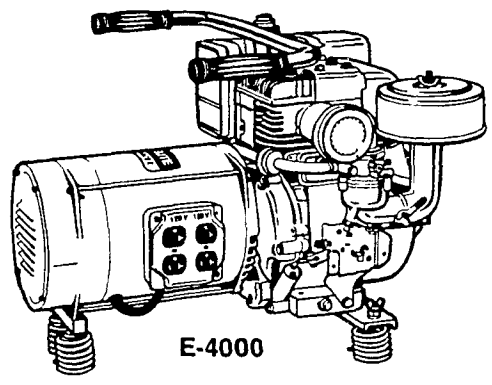
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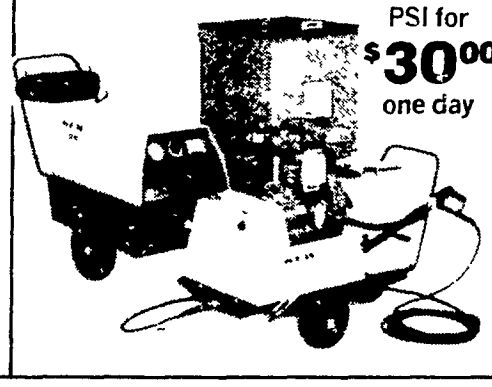

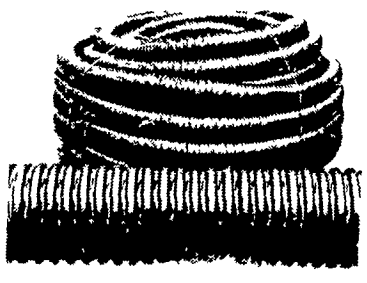

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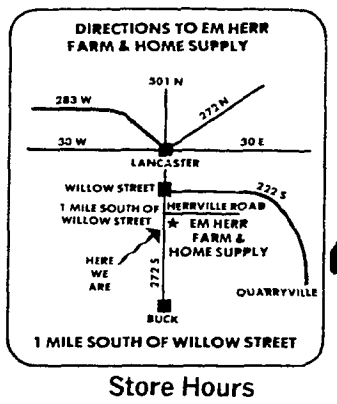


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# Farmers air feelings on new ventilation system

LEBANON — A bus filled with forty curious and questioning farmers stopped at four farming operations in Lebanon and Lancaster counties on Thursday. Their host for the ride was Carl Martin of Tri-County Swine Systems, Lebanon and Stan Martin of Martin-Air, Georgetown, Ontario.

The mixed group of farmers visited the operations of Floyd Horst, veal farmer, Klinefeltersville; Lewis Martin, hog farmer, Cocalico; Glenn Burkholder, hog farmer, Schoeneck; and Marlin High, dairy farmer, Lebanon.

What do these four farmers have in common that would interest a group of forty? They all have installed a Martin-Air total confinement ventilation system.

According to Stan Martin, inventor of the ventilation system and the company's U.S. sales representative, he began working on this type of ventilation system about 12 years ago. He said his experiences as a hog farmer and later as a building salesman showed him there was a definite need for improved ventilation in confinement housing.

In 1972, Martin said he developed the system, but the model he built then was made out of metal.

"These models rusted and tended to freeze because there wasn't enough insulation. So, in 1976, we perfected the system and switched over to structural foam for the units," he said.

Martin-Air was first introduced into the U.S. two years ago, explained Martin. He recalled how two farmers from Algona, Iowa heard about the units being used in Canada and came up to see for themselves

"Those two farmers took two units back to Algona, and now we've sold over 300 Martin-Airs in that area.

Floyd Horst, Klinefeltersville, installed a Martin-air unit last summer in his veal calf barns. He said the new system has eliminated his previous problems with scours and pneumonia.

"We're after the end results at Martin-Air — good ventilation systems and customer satifaction," Martin said.

The touring farmers got to meet four satisfied customers on Thursday.

Floyd Horst installed his

(Turn to Page A38)

Farmers scrutinized the Martin-Air ventilation system at the Glenn Burkholder farrowing complex in Lancaster County.


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# Ventilation system

(Continued from Page A37)

first Martin-Air unit in June. He had this to say about the system:

"Anyone whose ever raised veal knows that feeding calves brings problems. You have to contend with many variables such as air — calves are susceptible to pasturella pneumonia; and feed efficiency — when you're paying $1100 a ton for feed, you can't afford to lose any calves."

Horst said he researched the Martin-Air system after having tried several others, and he said it "made sense". He added he's seen a marked improvement in his calves and he likes the truly automatic system.

Horst explained that with the Martin-Air system he cleans the manure out of his veal barns every day. He noted that gases have not been a problem since the unit's installation, however the cleaner air does pick up some odor.

With the Martin-Air ventilation system, Horst said he can keep his barn at 60 to 65 degrees Farenheit and only supplies some heat when the calves are first put in

"Since the ventilation system was put in, I've had no problems with scours and have not had to give injections for pneumonia," he said.

Just what's so unique about the Martin-Air system?

According to Martin, his system utilizes the heat from the animals to maintain the barn's temperature.

"This system reduces the fuel needed to warm a building by 55 to 85 percent — and actually up to 100 percent. But nobody believes me when I tell them that."

What happens with the Martin-Air unit is, through a technical process, incoming air is allowed to flow into the system at a determined rate. The cold air is mixed with the warmed air being exhausted. Depending on the temperature inside the barn and the need to conserve heat, the warmed air is recirculated.

"We can hold a barn's temperature within one degree throughout its length if there is sufficient insulation and enough animals," Martin claimed

He explained with Martin-Air the temperature in the barns of poultry buildings is kept at 95 degrees and then gradually dropped to about 70 degrees for the best gains in broilers. The company's recommendations for hogs is 73 to 74 degrees in the farrowing rooms and 70 to 74 degrees in the nurseries.

"The biggest problem you have down here in the U.S.is you keep your barns too warm," the Canadian said

When Martin sizes a building for one of his units, he said he measures the heat loss coming through the walls and recommends insulation to be installed to meet the animals' temperature needs. Then, based on their summer cubic feet per minute of air needs, the size system is recommended.

Martin pointed out his system keeps the moisture level and temperature in the barn at an optimum level with a special damper. Any change within 0.1 degree inside the building will trigger it to adjust within 30 seconds.

"Actually, I can set it to adjust in 0.1 seconds. But we had some experiences with smart-alec pigs who'd go up to the unit and breath on it. That was enough to trigger the damper," Martin chuckled.

Lewis Martin, a hog farmer near Cocalico, admitted he was skeptical of the Martin-Air claims when he first learned about the unit.

"It was a completely new system to me. I had already had my new building framed out for a conventional negative system when Carl Martin ( the Martin-Air Pennsylvania dealer) talked to me. I was apprehensive, but now the claims are getting easier to believe," Martin said.

Martin told the group he kept his farrowing building at 73 to 74 degrees last month without using any heat. He said he uses 125 watt heat lamps on the baby pigs for about five days, and preheats the nurseries to take the chill out of the rooms for the first few days.

"The most outstanding feature about the system is the simplicity of installation and maintenance. And the air distribution eliminates any odor problem — the air is fresh and the moisture is dried off the floors."

Glenn Burkholder, of Schoeneck, said since he installed the Martin-Air system, he's doubled his capacity in his hog operation.

"With my previous ventilation system, I could only keep about 250 hogs before I had problems. With Martin-Air the odor dropped, and now I keep between 450 and 500 head in the farrowing barn and nursery.

"With the dry floors, I don't have problems with hurt legs And my barn temperature stays between 75 and 76 degrees without heat," Burkholder said.

At the Marlin High farm near Lebanon, the touring farmers saw the ventilation system used in a dairy operation. Stan Martin demonstrated a smoke test to show the group how the unit can distribute air throughout the barn without creating cold drafts.

At the completion of the tour, Stan Martin, inventor of the ventilation system, told the group about another of his inventions. In a farrowing-finishing complex in Canada, he has installed a manure separator that separates the solids from the liquid. He explained the solids from the nurseries are fed back to the gestating sows.

"The way I figure it — you can either needle your pigs or you can build immunity. In studies, it's been found sows will eat the recycled solids before they'll eat regular feed," he said.

This system, he pointed out, is still in the experimental stages.

Stan Martin, who admits to loving his work and inventing methods to meet the needs of farmers, pointed out his company has done little advertising in the U.S.

And yet, his work crews are hustling to keep up with the demand.

The farmers from Lancaster and Lebanon counties are four out of close to 80 new owners of Martin-Air systems that have been installed this year in southeast Pennsylvania.

As Stan Martin concluded, "The proof of the pudding is in the eating."—SM

# York County junior joins Brown Swiss

DOVER — Steven A. Eisenhart of Dover has recently been granted a Junior Membership in the Brown Swiss Cattle Breeders' Association of America.

According to National Secretary Evans Wright of Beloit, Wisconsin, junior memberships give boys and girls who have had their ninth birthday before January 1 of the current calendar year, and who have not had their 19th birthday before this base date, the privilege of registering offspring from Brown Swiss females, owned by them individually at national membership rates.

A 4-H or FFA member who starts with two registered Brown Swiss heifers today can own a registered herd worth thousands of dollars and be well on the road to success and independence in a few years. An investment of this nature can mean college education, self-sufficiency and the foundation of a successful dairy enterprise.

The National Secretary reports that Brown Swiss registrations have increased approximately 14 percent during the past year He states that the reason for this growth is the fact that Brown Swiss have a wide range of adaptation and produce a large volume of an ideal market milk high in protein. He adds that registered Brown Swiss offer an advantageous challenge to a dairyman's abilities and provide a greater return on his investment in time, labor and money.

Steven is the son of Mr. & Mrs. Keith Eisenhart, 4290 Davidsburg Rd., Dover and a member of the Central Dairy Club & Thomasville 4-H Community Club.

# Farm Show director

(Continued from Page A1)

"It came down to the fact that I was made a better offer and I happen to like the city of Washington. The change in location is no detriment

"But it was not an easy decision. I had to weigh out whether I wanted to try a new challenge or stay here at the Farm Show. I made a quick decision so that both parties involved could carry on," Coffman said

"There are only two times a director could leave the Farm Show Commission efficiently — in the dead of the summer when the schedule is nil Or now, when virtually all planning for Farm Show has been completed," he explained.

"By my leaving now, I'm giving the Secretary a chance to give the newly appointed director Farm Show exposure without all the problems of planning."


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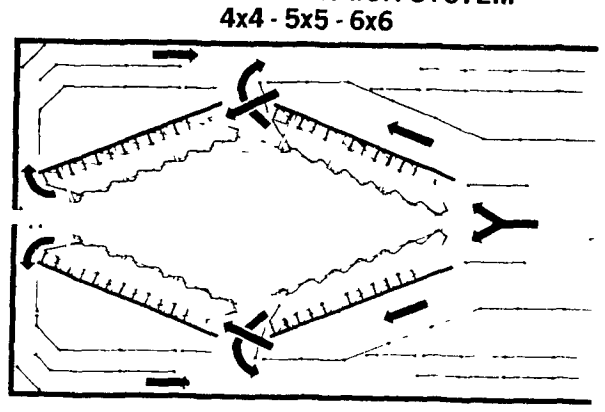
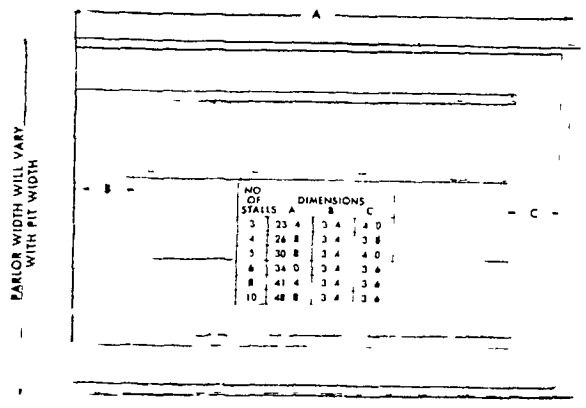


FROM A DOUBLE 3 TO A DOUBLE 12 HERRINGBONE PARLOR

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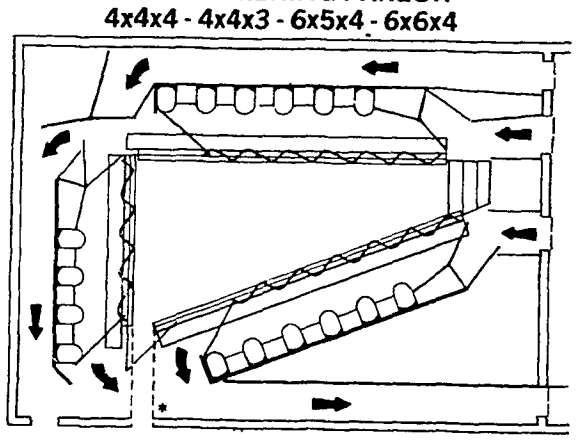

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# $29,000 cows

(Continued from Page A1)

and 537 fat as a two-year-old, for $7,000. Consigned by Donald Hosking, Otisville, N Y

Clinton-Camp Conductor Lee whose dam is a 200,000-lb producer, for $6,500. Consigned by Kermit and Myron Fassett, E Springfield, N Y

Miss Astro Petunia, 18-month-old heifer bred to Pete, for $6,000 Consigned by Ted Haberland Jr, Upperville, Va.

Elvree Rorae Marsha, four months, another Elevation daughter who is a 75 percent sister to Ella, for $5,600 Consigned by Elvree Farms, Slate Hill, N Y

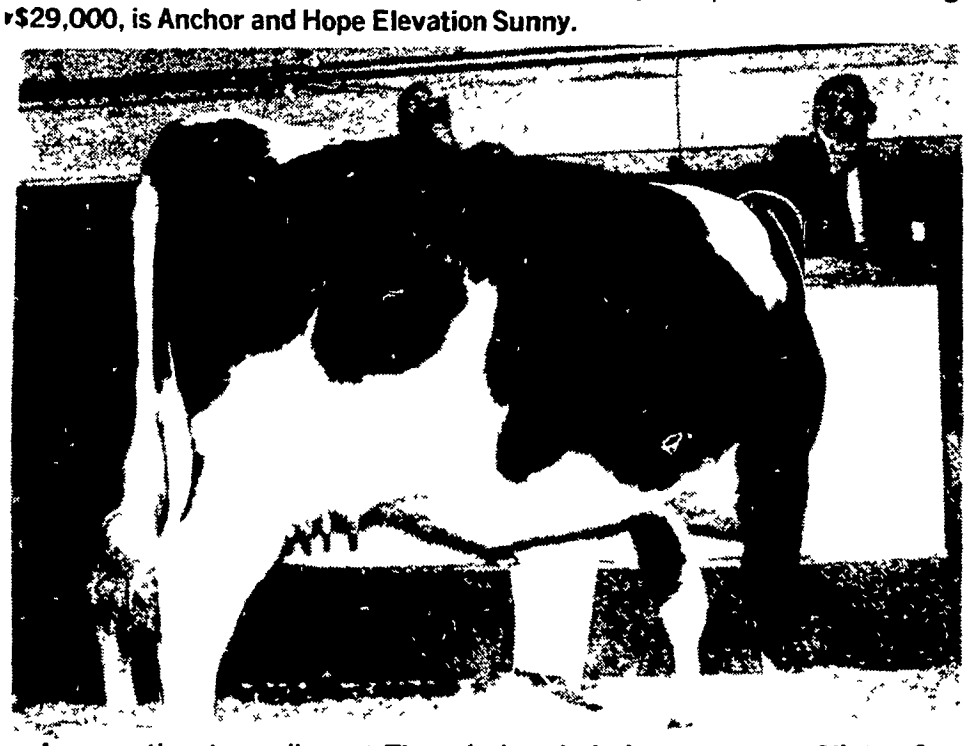
Kauland Tempo Peach, who is topping 20,000 lbs. as a five-year-old, for $5,600. Consigned by J Z Nolt, Leola

Fairhill Starlite Ruth, at two years already nearly an 18,000-lb. producer, for $5,300. Her calf to Diamond S. Kingman brought $1,200 Consigned by H. D. Matz, of Ephrata.—DA

It was a full house crowd in the Guernsey Pavilion Thursday for the Golden Harvest Sale. Cow in ring is one of 23 consigned by Floyd M. Nolt, New Holland.

Anchor and Hope Elevation Sarah, one of two full sisters by Elevation sold in Lancaster on Thursday, topped the Golden Harvest Sale at $29,000.

The second full sister at the Golden Harvest Sale, which also brought $29,000, is Anchor and Hope Elevation Sunny.



Among other top sellers at Thursday's sale in Lancaster was Clinton-Camp Conductor Lee, who sold for $6,500.

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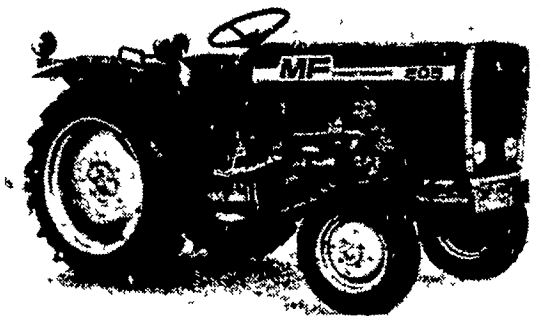

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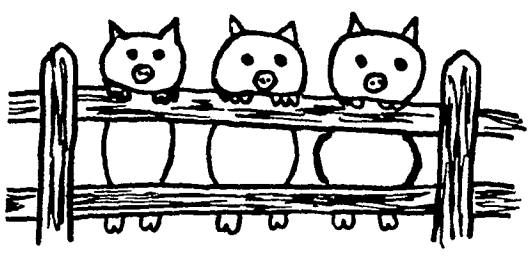

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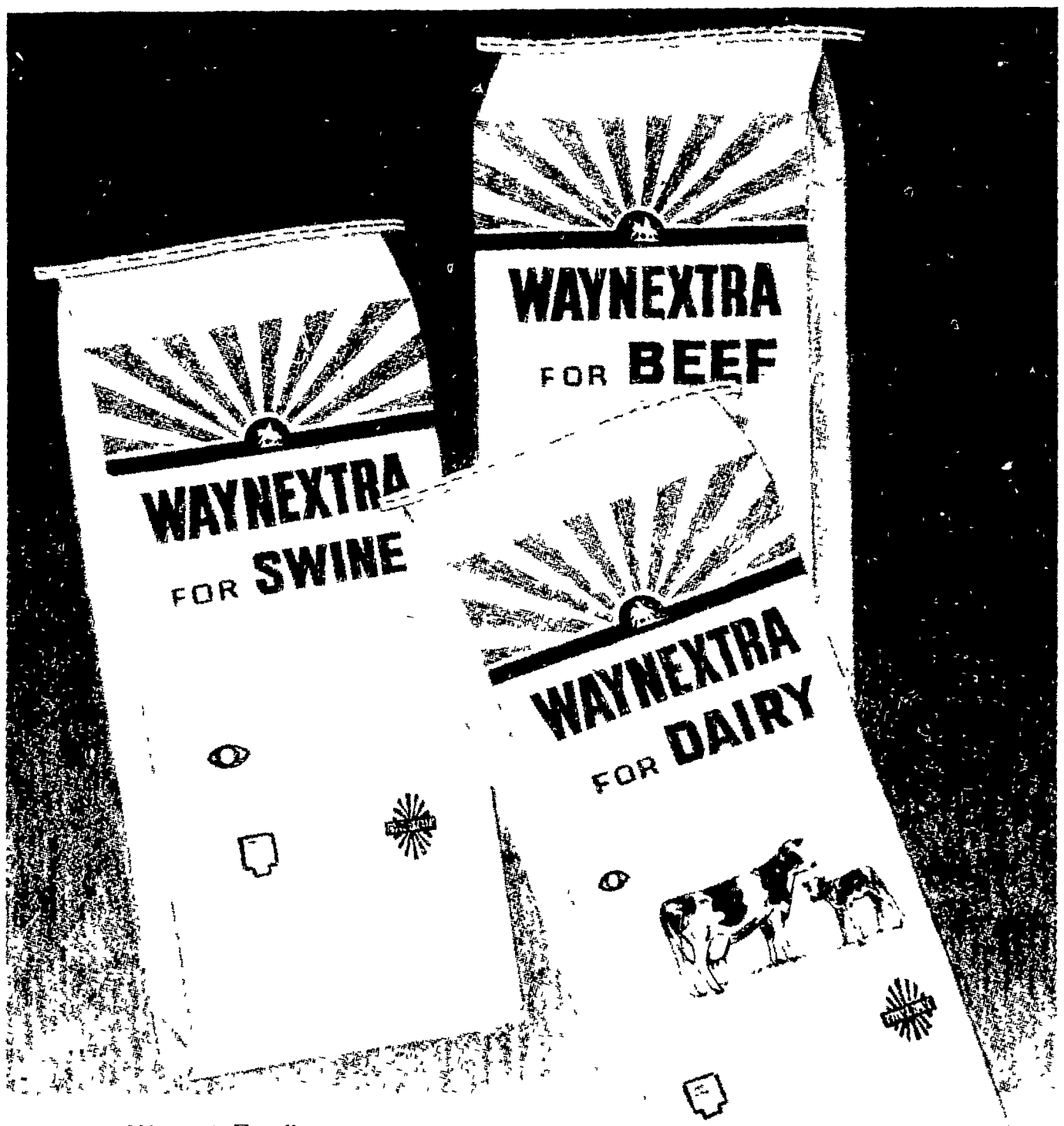


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# Test breeding, fine-tuned feeding bring butterfat honors

BY DICK ANGLESTEIN

MANHEIM — Butterfat production has shown a steady increase for the herd of Nelson and Alma Wenger, R6 Manheim, since they started farming on their own seven years ago

Their herd average has climbed nearly 200 lbs in that time to a high of 771 lbs during the past year And that was enough to bring them the high herd butterfat honors at the Lancaster County DHIA Banquet this week

That average also is believed to be an all-time record for the county.

Looking back, Wenger points to three main factors which came together during the past year to hike the butterfat production to the 771-lb average, which was a 90-lb. jump from just the year before.

First, he has continued a specific p ·ogram of breeding for test, which was actually started under his father Arthur

Second, he's been able tc fine tune his feeding management to the point where he's getting gooc production results with a minimum of problems

And finally, the Wengers admit they had their share of good fortune with the herd There were no major difficulties, other than some breeding trouble during the peak of the summer's hot and humid weather.

The foundation for the butterfat honors moved out of the Wenger herd during this past year just at the time the achievement was being attained She was a 13-year-old cow, Valley Run Smokey Rocket, which had come from his father's herd

One of her calves was a bull, Valley Run Silver Tiger, who was sired by Silver Tip, a Curtiss bull Rocket was a 4 8 percent test cow and Silver Tip had a plus test.

Half of the present Wenger herd can be traced directly to Tiger, who was a minus bull in so far as milk was concerned, but has been proven to be an admirable sire for test.

"His offspring are slow maturing and usually don't have high milk production as first-calf heifers," Wenger explained

"But generally by the third lactation, they become some real good producers."

Concerning test, Wenger cites 18 of the offspring who are all over 4.0 percent and five with at least 5 0 percent

The Wengers had four cows over 1000 lbs. of fat in 305 days during the past year.

Della, freshened at 7 years, 4 months, had 27,807 lbs of milk and 1138 lbs of fat at 4.1 percent test.

Vanessa, freshened at 5 years, 2 months, had 26,426 lbs of milk and 1085 lbs. of fat at 4 1 test

Winner, freshened at 5 years, 9 months, had 20,172 lbs. of milk and 1019 lbs. of fat at 5.1

Cotton, freshened at 6 years, had 22,326 lbs of milk and 1118 lbs. of fat at 5.0 test.

And another member of the Wenger herd recently recorded an additional significant production achievement

Cinnamon, freshened at 4 years, just finished test in October with 30,373 lbs of milk and 1021 lbs of fat at 3 4 percent

"She's our first cow to top 30,000 lbs. of milk in 305 days," Wenger said

"During her top month, she was giving 137 lbs. a day and was still producing 129 lbs daily the following month."

The Wenger herd averages about 45 milkers and 40 young stock They raise all their own replacements and market quite a few heifers and bulls for breeding.

Recently, a heifer went to Arkansas, three to Illinois and another sold at the state calf sale.

A number of the bulls are destined for overseas, where greater emphasis is placed on the butterfat differential. One of Della's bulls is in Holland and the next is scheduled for Carnation And a Cotton bull is contracted for Holland.

The Wengers have a limited supply of Tiger semen left, which they'll continue to use. But they also include other sires in their breeding program, such as Creek and Ace from Sire Power and Cinnamon from Select Sires

In addition to breeding, Wenger places emphasis on feeding management, especially the fine tuning of his high moisture shelled corn ratio.

"About two and a half years ago we started feeding the high moisture shelled corn," Wenger said.

The moisture level is critical and, at first, I believe we were feeding it too wet.

Now, we've been keeping the moisture lower in the feed and eliminating a lot of acid conditions in the rumen

We try for a happy medium – moist enough to get proper fermentation but dry enough to avoid the problems.

The feeding program also includes haylage, corn silage and a limited amount of hay

Roasted soybeans with minerals and vitamins added are fed as top dressing to the high moisture corn

(Turn to Page B4)

Nelson H. Wenger, R6 Manheim, scatters some hay to his award-winning high butterfat herd of Holsteins.

Standing next to their farm sign along Earhart Road, west of Manheim, are Nelson and Alma Wenger, who have built top butterfat herd in just seven years of farming.

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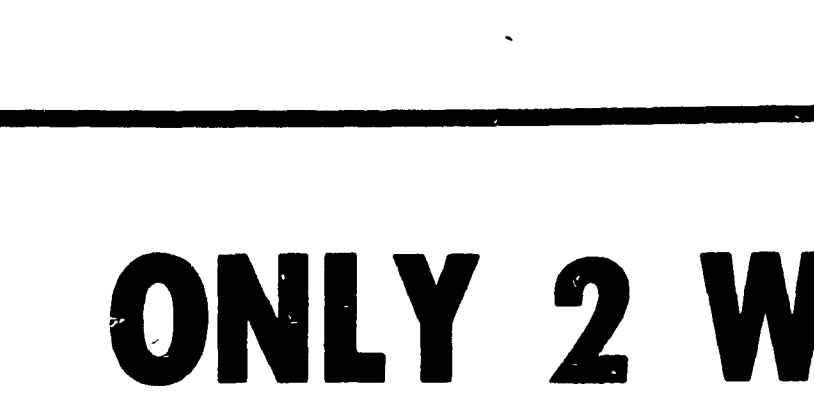


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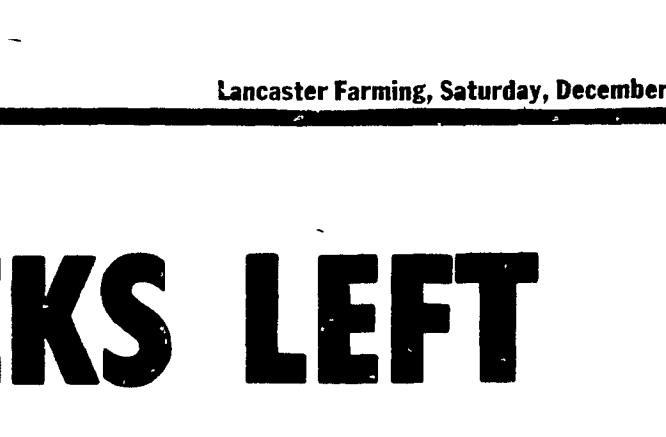

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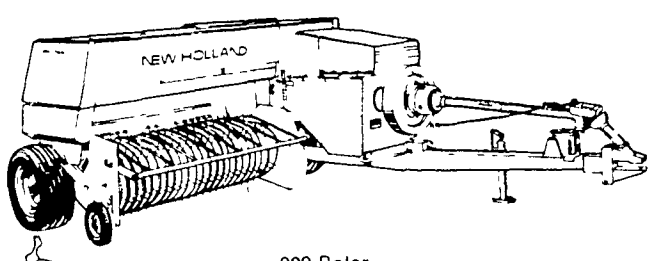


320 Baler

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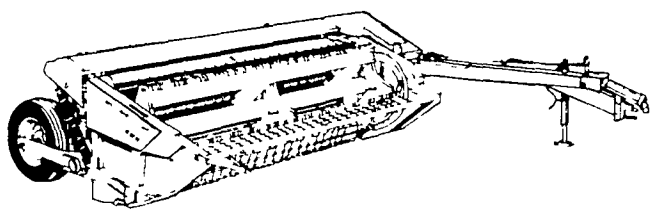

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# School to offer wood products course

WILLIAMSPORT — A wood products technology course has been developed by the Williamsport Area Community College and will begin in the Fall of 1981. The Admissions Office is now accepting applications for the new two-year, associate degree program.

According to Joseph Sick, Division Director of the Earth Science Campus, near Allenwood, wood products is a growing industry in the state of Pennsylvania and includes a wide variety of careers Working conditions vary depending on the specific career and on the employer. Some of the types of jobs include outdoor work and some involve travel. Many of the careers in the field include working with other people and supervising other employees

WACC's new program combines courses in wood products and business management and is designed to prepare men and women for midmanagement positions in the wood products industry Career opportunities include· sawmill manager, sawyer, quality controller, dry kiln operator, yard foreman, lumber salesman, lumber buyer, log buyer, lumber grader, equipment and machinery salesman, plant superintendent, wood procurement manager, forest research technician and production manager.

Sick said the purpose of the new program is to provide students with a general education in business management, wood processing information and skills that will prepare them for mid-management positions in the wood industry

Students will learn the characteristics of various types of wood and their products. The numerous steps involved in processing wood, sawmill operations, seasoning lumber and the preservative treatments of wood are also covered. The program provides an introduction to the process of obtaining, manufacturing, and marketing wood products to produce a profit and a survey of the basic types of machinery used in wood processing.

Sick said the Wood Products Technology program combines classroom instruction with hands-on learning experiences. Wood products courses will be taught at the Earth Science Campus which has a sawmill, dry kiln, and drying yard. The program also includes a 200-hour internship in the wood products industry, thus providing students with the opportunity of learning on-the-job.

In August, Steven A Erbach was hired as instructor of the Woods Products Technology program. Since his employment, Erbach has been working with Sick on the development of the program.

The new instructor is a 1978 graduate of the University of New Hampshire, where he received a Bachelor of Science in Forestry. He also has an Associate of Applied Science Degree from WACC in Forest Technology. He was graduated from WACC in 1975. Erbach has approximately three and a half years of related trade experience.

For further information about the Wood Products Technology program, call 717/547-1661.

# Registration for snowmobile course

NEW PROVIDENCE — Area snowmobilers interested in taking the Pennsylvania Snowmobile Safety Course may enroll for the course, according to Robah G. Hess, who has volunteered to organize the program in this area.

This program is geared for youngsters 10 to 15 years, but all snowmobilers age 16 and over are invited to take the course.

The course consists of three two and one-half hour sessions. The safety training program will be held at Southern Lancaster County Farmers Sportsmen's Association beginning Jan. 8 at 6:30 p.m. There are no charges for the safety course.

Snowmobilers and potential snowmobilers may enroll for this safety course by calling 717-786-2853 or by completing forms available at Wenger Implement, at the Buck, phone 717-284-4141.

The three dates the course will be held are January 8, 15 and 22, 1981, from 6 30 p.m. to 9 p.m.

# Test breeding

(Continued from Page B2)

The Wengers' Acre Lake Farm totals 115 acres, 90 of which are tilled. In a normal year, enough roughage can be grown. About 30 acres are put in alfalfa, with the first cutting for haylage and the second and third baled, if the weather cooperates

Nelson and Alma have been on the home Wenger farm since 1978. The farm is located along the Earhart Road west of Manheim. Nelson's father held dispersal that year and a number of his cows were purchased for the herd

Prior to 1978, they farmed for five years on his grandfather's farm at Pennryn.

The Wengers are also quick to give some credit to their good fortune

"You know, it only takes a bit of misfortune and that butterfat average can drop real fast," Wenger said.

But with the care and emphasis that they've placed on breeding and feeding, their good fortune has a solid basis in good management.

And what about the future?

What do you do for an encore after increasing production in a year's time from 18,200 lbs. of milk and 681 lbs of fat at 3 7 percent test to 18,599 lbs. of milk and a record 771 lbs. of fat at 4 1 percent test?

"We're going to work to at least maintain those figures," Nelson said

"And also work toward a goal of 800 lbs of fat," Alma added.


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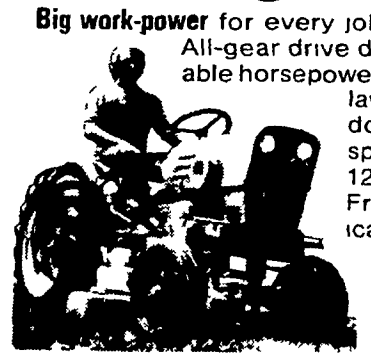
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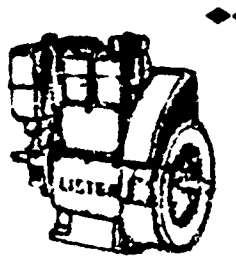
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# Chester Whites tap York County farmer

AIRVILLE — A York County farmer has been named to the board of directors of the National Chester White Association.

James Parlett of Airville was elected to serve a two year term on the hog breed organization's board.

Parlett also held a seat as director of the Pennsylvania Chester White Association.

The National Chester White Association is headquartered in Rochester, Indiana. It serves as a clearinghouse for Chester White breed information and records and for the promotion of Chester White swine


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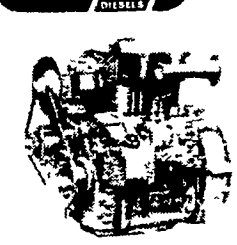

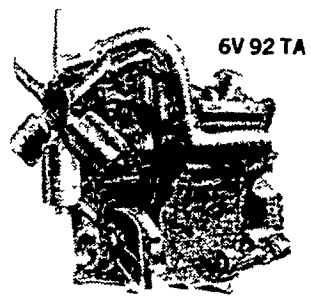


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# Fire destroys Adams County barn

YORK SPRINGS — Last Tuesday night six area companies responded to a barn fire on the Harold King dairy farm, near York Springs, Adams County.

The pre-Civil War stone structure was completely engulfed within minutes.

High winds encouraged the flames while hampering over 100 volunteer firemen who were on the scene for nearly eight hours.

The fire, of suspicious origins, was not caused by faulty electrical wiring. Fire Marshall Simpson, when asked if it could be arson, replied that he was not at liberty to say.

The Kings suffered a loss of approximately 40 tons of hay and 30 tons of straw.

No animals were injured although twenty heifers were housed there. Several pieces of farm equipment were destroyed.

The Kings said they plan to rebuild using the remaining stone foundation.—MM.

This is the aftermath of a fire which destroyed a pre-Civil War stone barn used for storage and housing young livestock on the Harold King dairy farm north of York Springs.

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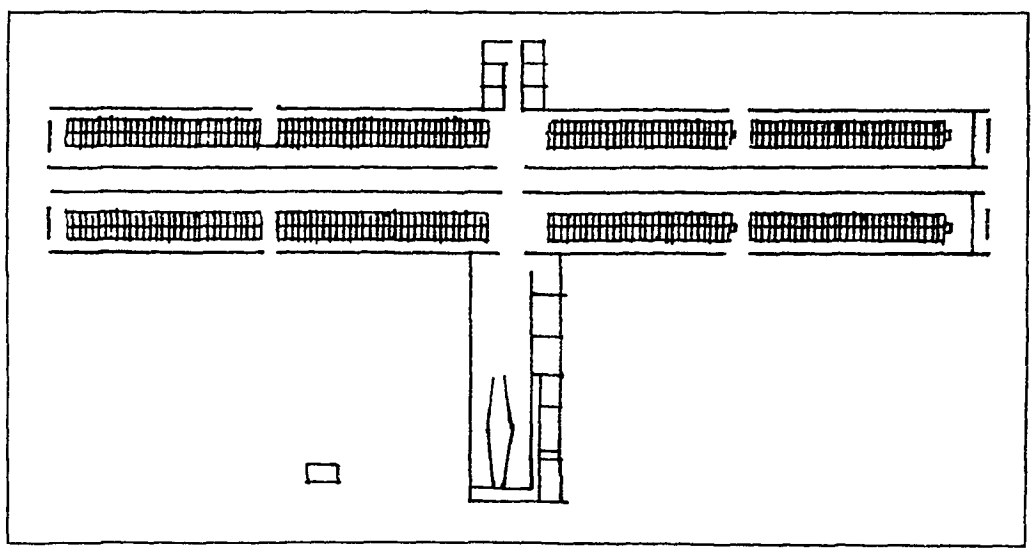

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# Deer hunters report bigger bucks, larger racks

WHITE HAVEN — In addition to record numbers of deer showing up at check stations, Pennsylvania Game Commission biologists are reporting that this year's bucks generally seem to be bigger and are sporting larger antlers

Last year there was a good mast crop in the state, especially acorns The 1979 natural food supply resulted in larger antlers on bucks this year

On the opening day of the buck season last year, hunters had to face miserable weather conditions and were not nearly as successful as on other opening days. Since about two-thirds of the buck report cards filed are from the opening day, this meant that quite a few whitetails that made it through last season were then available to hunters in the 1980 season.

Additionally, the relatively mild weather conditions from last December through March cut into normal winter deer mortality considerably, and this meant more and bigger deer available this year.

Not surprisingly, the number of spike bucks showing up at check stations was generally lower than previously. In extreme southeastern Pennsylvania, less than 10 percent of the deer had spikes.

Antler spreads of up to 22 inches were reported There were numerous long tines, and main beams were running thicker at some stations than in the past.

The largest deer turned up at the check station in Bucks County, a 250-pounder which had been killed by a vehicle.

Two 175-pounders and one which tipped the scales at 176 pounds were reported from northwestern Pennsylvania. One of these racks sported 11 points.

The oldest deer was a nine and one-half-year-old from Columbia County. It was also a big deer, weighing 169 pounds

The most points on a rack were checked at the White Haven station, a 16 point, 158-pound whitetail

One unexplained development was the early shedding of antlers by bucks in extreme northeastern Pennsylvania A number of hunters said the antlers dropped as the deer were being dragged out of the woods.

Biologists said the deer were in exceptionally healthy condition, with no evidence of disease


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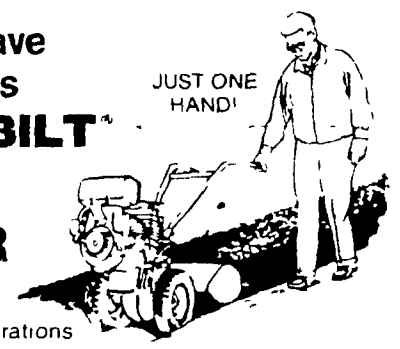


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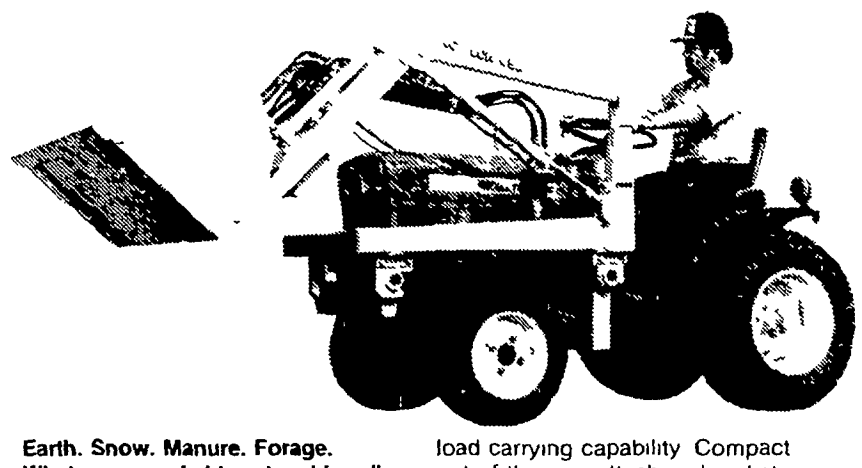

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# Dogs need protection against new disease

LANCASTER — Dog brokers and dealers and participants in shows and field trials must take special precautions to prevent the spread of parvovirus infections according to Dr. L. Dwight Schwartz, extension veterinary specialist at Penn State.

"Parvovirus is a new type of viral enteritis that was unknown before 1978, and some people may not be aware of its importance," says Dr Schwartz.

Schwartz says brokers, dealers and others should keep dogs from different sources separated for at least a week Run, cages, food bowls and other equipment should be thoroughly disinfected with a diluted chlorine solution. He recommends 4 oz. of chlorine bleach per gallon of water. Cleanup and sanitation are crucially important, as the disease appears to spread principally through contact with contaminated feces, he said.

Schwartz also recommends breeding bitches be vaccinated by a licensed veterinarian. This is especially important when puppies are to be shipped or when they may be exposed to other dogs, he adds.

The puppies will get protection against parvovirus from antibodies passed through the mother's milk during the first few days of life. This temporary immunity is usually ineffective after six weeks of age.

"The disease strikes rapidly and hard," he says. "It is characterized by loss of appetite, vomiting, severe diarrhea, dehydration, high temperature and low white blood cell count. Often adult dogs recover, especially if prompt veterinary treatment is provided to counteract dehydration and control diarrhea and vomiting, but death loss in puppies can be quite high."

"Wherever dogs congregate, parvovirus infection has the opportunity to spread rapidly, and outbreaks of parvovirus have occurred in all areas of the country," Schwartz says. "People can carry the virus home on shoes and clothes, thus exposing their dogs. The virus is not known to cause any health problems in humans."

USDA has licensed a killed virus vaccine against canine parvovirus, but supplies are extremely short. A number of veterinarians reportedly are using feline panleukopenia-cat distemper-vaccine to immunize dogs against parvovirus; however, this product is not approved for use in dogs, he said

Additional biologics producers are working to get parvovirus vaccines approved. Research and development is underway to produce a live virus vaccine, in the hope that it will give full protection sooner and protect longer than the killed virus vaccine presently approved.

The killed virus vaccine must be given in two doses 14 days apart and repeated annually.

Full protection against exposure to disease does not develop until about one week after the second vaccination.

# Garden Spot farmers to hold silage meeting

EAST EARL — The Garden Spot Adult Farmer Program will conduct a Silage Management Meeting on Tuesday, December 16, 1980, at 7.30 p.m., at the Union Grove School

Two areas of concern will be examined — storing silage in plastic "bags", and the use of silage preservatives. Speakers will include Frank Walters from American Ag Bag and Timothy Markovits from Pioneer Seed Company.

A new, apparently inexpensive method of storage of corn silage, hay silage, high moisture corn, is the use of large plastic bags, stuffed with the silage much like a sausage, is being introduced into the area and this meeting will examine the features, advantages and limitations of this storage system

The use of preservatives has been a controversial question for years and many products are being marketed When a major seed corn company feels the use of preservatives may be justified, farmers want to hear more. The reasons why they work, what they will do, won't do, when they should be used, and many more questions will be explored.

All area farmers are invited. The Union Grove School is located on route 625, two miles north of route 23, just outside the village of Terre Hill.

For any additional information, contact Donald Robinson, Adult Farmer instructor at 215/445-5041.


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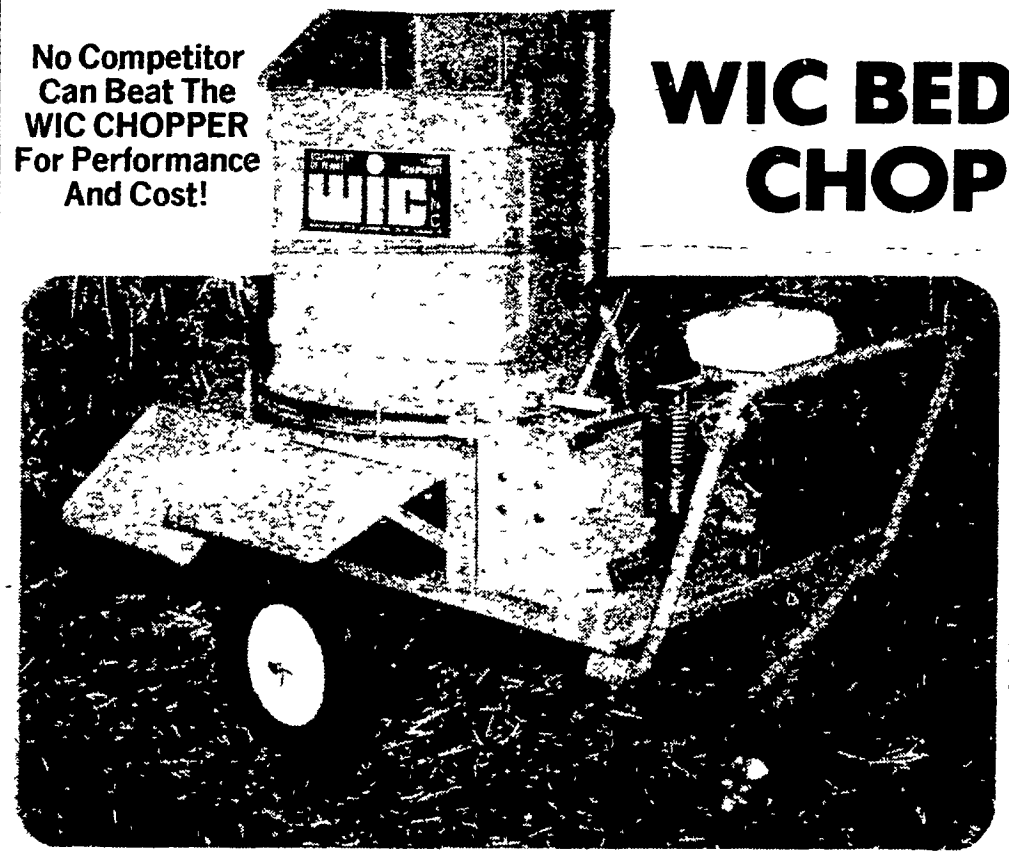

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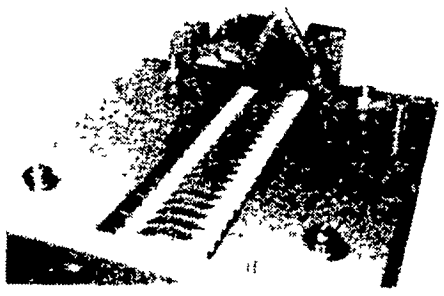
The Wic bedding chopper chops straw, hay or corn fodder and spreads it uniformly under your cows, all in a single operation. When you use chopped bedding, you save on straw and your cows stay much cleaner. On top of that, cleaning up is a breeze...

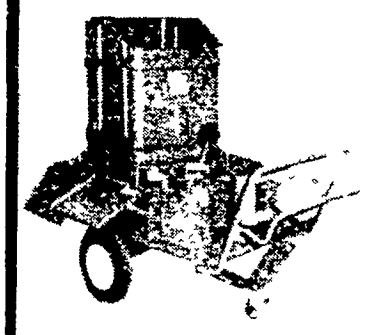
All models of Wic's bedding chopper have four rows of knives insuring a better spreading action

Wic has also forseen an adjustable grill in 5 positions to avoid overloading the motor while using different bedding such as damp straw old hay etc

With a simple adjustment that either speeds up or reduces the rotation of the tub you can cut the bedding to the desired length Wic the futuristic chopper now!

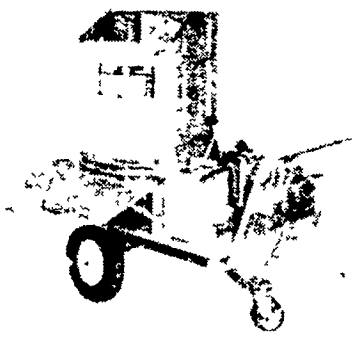


**FRAME:** steel monocoque paint
**BARREL** plastic 3/16" thick
**WHEELS** 2 pneumatic of 16"
**WHEELS:** 1 swiveling
**BRAKE** on wheel swiveling
**CAPACITY:** 1-bale/50 seconds approx
**DIMENSIONS:** width-31" (80 cm) (without handle) length 45" (115 cm)
**DIMENSIONS:** height 55" (140 cm)
**WEIGHT:** 440 lb (200 kg)



**ELECTRIC BEDDING CHOPPER**
Wic also makes an electric 200 volt a c chopper or a 24 volt d c battery operated chopper including an automatic charger These two models are equipped in the factory with a manual starter panel and are protected by fuses to diminish risk of accidents

Very quiet these bedding choppers are mostly used on small or medium sized farm As well as being mobile the 220 volt a c model can be installed stationary Motor 220 volt a c 3 h p 24 volt d c 21/2 h p



**GAS BEDDING CHOPPER**
The gas powered bedding chopper is the most popular on the market It s operation is simple and it handles easily Equipped with a Honda 4 stroke gas engine the Wic bedding chopper insures maximum out put while in use

Motor 5 7 or 10 h p 4 stroke Honda

Starter 5 h p manual and 7 and 10 h p manual or electric start

**POWER TAKE OFF BEDDING CHOPPER**

Wic has perfected a three point hitch PTO chopper activated by the power of your tractor Easy to install it is ideal for free stalls or in strawberry fields for mulching purposes

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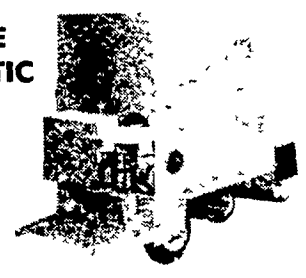

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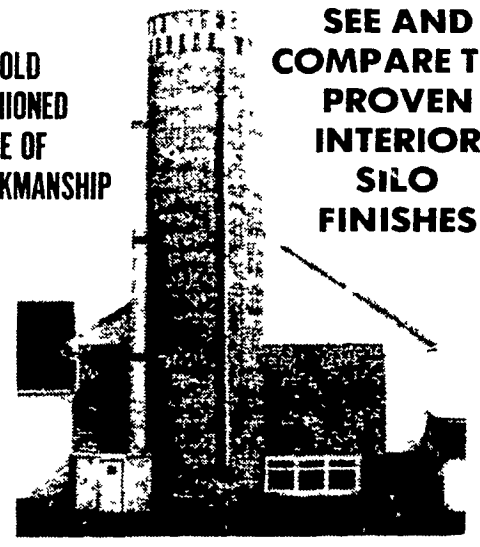

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# Fertilizer group to sponsor agronomy research

ATLANTA, Ga. — The Foundation for Agronomic Research was given life in November 1980 when the Board of Directors held its organizational meeting

"This is a milestone in the agronomics of long-term market development for the fertilizer industry and in the agro-economics for the farmer who is increasingly burdened by skyrocketing costs," said B R Willett, chairman of the new Foundation board Willett is president of Kalium Chemicals and chairman of the Potash & Phosphate Institute board.

The Institute approved the establishment of the Foundation at its October board meeting The Foundation was organized in close linkage with the Institute to broaden the base of support to universities and other institutions for research in total crop production systems

"The Foundation gives us a new way to stress the importance of maximum yield research as we strive to help the farmer produce maximum economic yields," said R E Wagner, president of the Potash & Phosphate Institute and president of the new Foundation

"This approach will strengthen research on plant nutrients as well as other factors in the total production system," he continued "The Foundation will allow other industries such as nitrogen, sulphur, seed, chemical and farm equipment, associations, foundations, and private individuals to make contributions to finance research in the U.S and other countries.

Research will be sponsored by the Foundation to show the interactions of potash, phosphate, other nutrients and production factors that can produce those higher yields to keep the farmer's operation profitable "

Other Foundation board members are Wagner; S T Keel, retired senior vice president for the International Minerals & Chemical Corporation; David Dombowsky president of the Potash Corporation of Saskatchewan and vice chairman of the Foundation; Ronald R Johnson, president of Agrico Fertilizer Company; E T York, retired chancellor of the University System of Florida; William F. Hueg, Jr, deputy vice president and dean, University of Minnesota, and PPI staff members, C P Ellington, executive vice president, and W L. Nelson, senior vice president

Even before formal announcement of the Foundation, early contributors gave collectively $250,000 per year for research over the next three years. Those early contributors are Agrico Chemical Company, International Minerals & Chemical Corporation, Potash Corporation of Saskatchewan, and Chemical Enterprises, Inc

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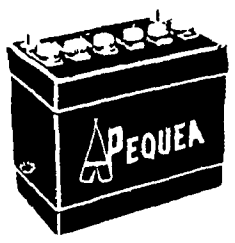


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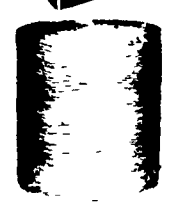

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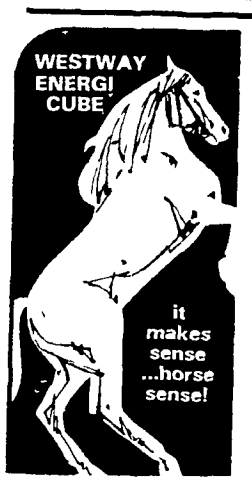


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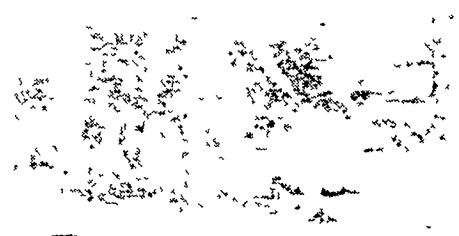

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2 grain trailers, tandem, 5' sides, no dump
Int 4 row corn planter model 400 cyclo
717 637 2251 Day
717 637 5270 Night

**FARM EQUIPMENT**

Two new Badger forage boxes 14 ft 3 beater w/roof $3450 ea Two new Badger blowers, $1585 ea 717 247 7858 Bradford Co

For Sale 16 ft Badger silo unloader 8 ft V snow plow Easy Flow fertilizer & lime spreader, Int table silage blower belt driven, Wood chipper PTO 215 932 2316 Chester Co

JD tractor Model L with spring tooth cultivators and 12' mounted plow excellent condition to restore and in good running cond 717 292 1914

Discontinued hay operations, would like to sell the following JD 4320 side console with 2400 hrs in excellent condition JD 2020 diesel tractor with front rear weights, $2500 2 NH 8 ton running gears with 16' all oak throw beds & flotation tires 1 yr old Gehl 880 haybine 9 cut Also 8 row no till JD bean planter Will sell all or part of the above Birchwood Farm 301 875 2478

For Sale MF 65 with loader Farmall N with power steering & loader Moline super 670 diesel JD 11 transport disc NH 65, 69, 270 balers with throwers 215 562 4464

6006 Deutz on steel wheels, $5000 Floyd Hoover, Penn Yan, NY 315 536 7208

**FARM EQUIPMENT**

Wanted Wisconsin engine with reduction gear running or for parts 717 687 6553

For Sale Rotary scythe, 9 ft, AC 170, IH 10 drill 717 438 3115

For Sale 1456 IH, long axles with dual 18 4 and 38 tires & front weights 717 786 2534

For Sale David Brown 990 diesel with loader 1800 hrs original tires 45% rubber 215 445 4280

Ford 8N parts used trans rear axle & housings w/fenders
Hay wagons 12 used Sears & NI various capacities All with adjustable axles with or without bodies $300 & up
**VILSMEIER EQUIPMENT INC**
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Phone 215 699 3533

**TRACTOR & MOTOR REPAIRS**
**Over 20 years experience with Ford tractors and equipment.**
**Shop & Road Service**
**Pickup and Delivery**
**WALT STIVELY, JR.**
**Springville Road**
**Quarryville, RD3**
**Phone 717-786-2252**

**FARM EQUIPMENT**

For Sale Two Brillion packer seeders, Both 10 one w/transport wheels Oliver 2 bottom radex 12' & 14" trailer plows NH 55 rake NI 752 crusher JD KBA disc - 20, 24 & 28, available w/transport 717 687 6553

**case**

New Idea 324 Corn Picker w/327 Husking Unit, fully equipped $8,000.00 Less Tires

New 323 Corn Pickers Less than $4000 Til Dec 31, 1980

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(2) New Idea 215 Manure Spreaders in Excellent "like new" Condition
Plus other size spreaders in stock at Good Prices.
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NEW IDEA
HESSTON

NI model 214 single beater manure spreader w/T Bar Chain $3650
Gleaner F combine corn and soybean special with 13 ft grain head & 4 row cornhead
Used NH model 790 manure spreader 360 bu with new hydraulic end gate excellent condition Free finance to April 1 1981
Used NH 1469 SP hay bine excellent condition with free finance until June 1 1981
Used Stak Hand Model 10 with free finance until June 1 1981
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**case**

**NEW EQUIPMENT**
New Holland 800 Manure Spreader w/truck tires and hydro endgate $9,800.00
New Holland TR-85 Combine w/13' table and 6 row corn head $68,000
**USED EQUIPMENT**
AC D17 Gas Tractor w/heavy duty loader, Real Good
(2) NH 518 Spreaders
NH 327 Spreader
NH 512 Spreader, Good
NH 276 Hay Baler, Nice
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**FARM EQUIPMENT**

For Sale
Wisconsin Engines
VG4D 40 h p
VH4D 33 h p
VF4D 24 h p
VE4D 20 h p
THD 18 h p
All available w/4 to 1 clutch reduction
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**Interest Waiver Until May 1981**
**MF 65 tractor and loader $3500**
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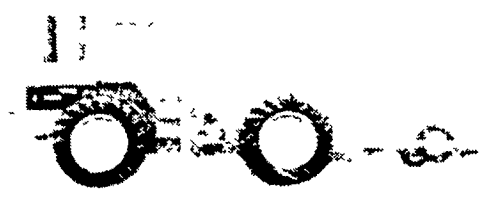

**NEW COMBINES:**
MF 750 Hydro w/cab, air & monitor
MF 750 w/cab, air & monitor (SPECIAL PRICE)
MF 540 w/cab, air
WHITE 9700 4 wheel Axial Flow w/all extras
WHITE 9700 2 wheel drive Axial Flow w/all extras
WHITE 7300 w/heater cab air long axel ext.

**ALL DIESEL'S**

**NEW TRACTORS:**
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MF 285 w/MP With FREE Heathouser cab
MF 275 w/MP With FREE Heathouser cab
MF 245 w/MP With FREE Heathouser cab
MF 230 w/MP SPECIAL PRICE
SPECIAL PRICE ON HEAT HOUSERS FOR MF 1080 and MF 180 Tractors
MF 205 Diesel
WHITE 4-175 4 Wheel drive w/all extras
WHITE 2-45 4 Wheel drive Demo
WHITE 2-45 2 Wheel drive

**USED COMBINES:**
MF 760 (1978) V8 Dsl. w/hydro trans. Heater A/C Cab
MF 760 (1977) V6 Dsl. w/Hydro trans. A/C Cab
MF 760 (1978) Turbo 6 w/Hydro trans. A/C Cab Dsl.
MF 750 (1978) V6 Dsl. w/Hydro trans A/C Cab
MF 510 w/cab 3 speed trans. Dsl.
OL 525 w/Cab
OL 525
JD 40 w/10 ft Grain Table
MM 3490 Grain Combine
MH 82 Grain Combine

**USED TRACTORS:**
IHC 1456 w/Cab (1971)
MF 135 Dsl. 404 Hrs. w/loader & Roll Bar.
MF 135 Gas 308 Hrs
OL 1550 Industrial loader tractor
JD 1020 w/Deere Loader
Leyland 154 w/250 Allied Loader (SPECIAL)
MF 205 Dsl. w/turf tires Woods Mower & 6 ft. York Rake (SPECIAL)

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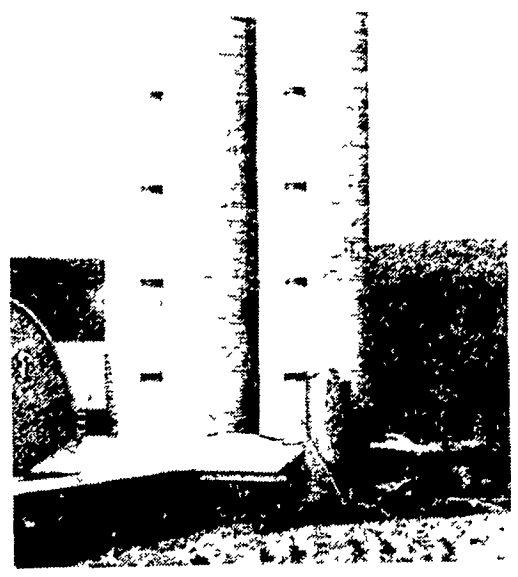

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JD 4000, 95 hp side console, 2 outlets, 2000 hrs, new rubber, 1 owner, like new $8500/offer, Baltimore Co 301-833-9098.

Wanted 4 WD Kubota tractor 717-438-3354

WANTED USED FACTORY R O P S canopy for J D 450 dozer Call 9 a m to 6 p m, 814-267-3161

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**TRACTORS:**
IH 1566 w/30 5x32 Tires
IH 1066 D, with cab and M&W Alcohol Attachment
IH 70 Hydro Diesel
IH 450 w/234 Picker
560 Gas, standard, wide front end
Farmall M, 230, 400 D, 400 G and 560 G
Case 310 w/Industrial Loader

**TILLAGE:**
IH 475 Disc, 20'6 manual fold
IH 475 Disc, 17'5 hydraulic fold with hitchhiker
IH 475 12' Disc
(2) IH 461 Front Mount Cultivator, 6 row
370 13'10 Disc Harrow
370 11'6 Disc Harrow
(2) 37 11'6 Disc Harrow
Oliver 10' Disc Harrow
Bush Hog 18' folding disc harrow
Bush Hog 12' offset disc, Model 146
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JD 12 ft Chisel Plow
(2) IH 11' 3 pt hitch chisel
IH 11' Trailit 3 Chisel
2, 3 and 4 Bot fast hitch and trailing plows
Brillion 13' 5" packer mulcher, real nice
(2) Brillion 6' Wings
Brillion 16' packer
IH 700 6 btm. reset plow

**FORAGE:**
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Bearcat 72A Flail Chopper
(2) IH 550 chopper w/heads
Gehl 84 Chopper with 1 Row 2 Row, Hay Pickup or Direct Cut Heads
NH 717 Chopper w/2 row head & pickup
(2) JD 38 Chopper w/2 heads, 1,000 PTO
Hesston 420 SP win drower w/cab and air
655 Case SP windrower
Hesston 1014 Hydroswing
IH 990 MC, Like New
NI 4 Row Stalk Shredder
IH 440 baler with thrower
JD 24T baler w/thrower
NH 66 & 270 Balers
NH 461, 467 & 479 Haybines
NH trailing mower, 7 ft, draw bar mtd
IH 230 Trailing Mower

**MISCELLANEOUS:**
IH 810 15' Platform
IH 810 15' Floating Platform
IH 810 13' Floating Platform
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IH 175 & 570 Spreaders
NH 512 Spreader
NI 217 Spreader (Nice)
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JD 15x7 grain drills, SD
JD 17x7 Plain Grain Drill
Int. No 10 16x7 DD Combination Drill
IH 10 SD Grain Drill
Oliver 13 SD on steel
Oliver 24x6 Drill, SD Combination, Nice
Ontario SD Drill on High Rubber wheels

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New Berlinville, PA 19545
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Winter Hours
Daily 7-5 30, Sat 7-1

## TRACTORS

Ford 5000 D 8 Speed
Ford 3000 8 Speed, PS
Ford 340D w/Loader
Ford 2600D w/Loader
Ford 3400D w/Loader
Ford 4400G, 3 pt. w/Loader
Ford 4000 w/Loader
Ford NAA w/Loader
Ford 9N w/Loader
Ford 600 w/Loader and Backhoe
Ford 4000 w/Loader and Backhoe
Ford 3500D w/Loader
Ford 640 w/Snow Plow
Ferguson 30 w/Loader
IH Cub w/Loader
IH 464 D 3 pt. Power Steering
JD L w/plow, cultivator and snow plow

**KELLER'S FARM MACHINERY, INC.**
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

## USED EQUIPMENT

### TRACTORS
- Case 930 Tractor CK
- Case 430
- Case 350 Crawler Loader
- David Brown 990 w Loader
- JD 3020 w/Loader
- White 2 135 Tractor, 150 Hours
- IH 706 D 310, WF

### LOADERS
- Case 1537 Skid Loader
- Case 1830 Uni Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer

### TILLAGE
- McConnell 12 Drag Harrow
- Case Disc Harrow 9
- Case 400 18 20 Auto Reset 4-Bot Plow
- MF 4 Bot Plow, Semi
- Oliver 2 Bot Trailer Plows
- Used Cultipacker

### HARVESTING EQUIPMENT
- Gehl 600 Harvester 2 Row Cornhead and Pickup Head
- NI Unisystem 701 Tractor
- NI Unisystem 705 Tractor
- NI Unisystem 702 Tractor 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1 Row Corn picker
- NI 310 1 Row Corn picker
- Int Mtd Picker 2 Row
- MF No 61 1 Row Picker
- JD No 25 Harvester
- Case 300 Harvester
- Case V 12 Shredder
- Hesston 2000 100 Harvester
- NI Forage Blower
- MF Chopper
- MC Chopper

### HAY EQUIPMENT
- Hesston 1014 12 & 14 Windrowers
- Hesston PT 10
- JD 4 Bar Rake
- New Idea Trailer Mower
- Mott Mower
- 3 pt Hookup Mower

### MISCELLANEOUS
- Ford 4 Row Corn Planter
- JD 2 Row Planter
- JD 494 Corn Planter 4 row
- 10 Used Spreaders
- 3000 Gal Husky Tank Spreader
- NI 224 10 ton Spreader

NEW IDEA FARM EQUIPMENT

Special On 1200 Bu. CORN CRIBS $775

case

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## FOR SALE

2 ton Pickup Truck Hoist fits under body, electric hydraulic & controls Complete $760 00 plus freight

Wood Splitter kits as previously advertised $295 00 plus freight

4 to 10 ton Wagon Hoist Kits

Grain Body Hoist Kits

Call for price and literature
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WHITE Farm Equipment

FIELD QUEEN FORAGE HARVESTERS

**NEW EQUIPMENT SPECIAL PRICE ON WHITE TRACTORS**
2-135 20.8x38, Air
2-105 Demo, 20.8x38, Air
8700 Combine
9700 Combine, (Axial)

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Fox 6654 SP
Fox 3310
NI 708 Uni
NI 709 Uni
FQ 7650 Side Dump

Special Price On Speedy Corn Cribs $700.00 1200 lb. capacity

**USED EQUIPMENT**
7600 Field Queen 700 hrs.
FQ Side Dump Wagon
Gehl Side Dump Wagon
Oliver 1855 Tractor
Oliver 1850 Tractor
Oliver 77 Tractor
IH 460 Tractor
8C & 12C Hydromac Skid Loaders
NI 705 Uni Diesel Power Unit
White 5400 6R Planter
Oliver 5-16" Plow
Fox 3000 Harvester
JD 216 Fg. Wagon
Bush Hog Gooseneck 32' tilt bed trailer
Farmall M w/NI Picker
NI 325 2RN Picker
NI 324 2RW Picker
NI 279 Cut/ditioner
NI 270 Cut/ditioner
Athens 10' Pull Type Chisel
SS9 Glencoe Soil Saver
White 23' Wing Disc
NI 710 Combine
Fox Blower
Lely 18' Double Wheel Rake
Brillion 8R Hyd. Wing Cultivator
JD 8R Cultivator
JD 12' Cultimulcher
NI 730 4-Row Head
NI 214 Spreader
NI 8 Ton Spreader
Hawk Bilt 180 Spreader
Hawk Bilt 2155 Roll Top Spreader
Starline 3200 gal. Super Tanker w/chisel injector
Hesston Stack Hand 10
Short Block GM 478 for 705 Uni
Better-Bilt Hi-pressure Vac. Pump

**STOLTZFUS FARM SERVICE**
Cochranville, Pa.
215-593-2407

FARM EQUIPMENT

## USED

PH-1 Petter 7½ hp, $650
PJ-2 Petter, 20 hp w/ starter, $1800
PJ-3 Petter 30 hp w/starter, $2250
PJ-4 Petter 40 hp w/ starter & clutch, $2750
19 hp Witte w/starter, clutch & alternator make offer

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Sales & Service
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MF Massey Ferguson

**USED EQUIPMENT**
IH F-1066 Tractor
Farmall Super C with Loader
MH 33 Tractor
MF 65 Tractor
MF 1105 Tractor

**NEW EQUIPMENT**
MF 205 Tractor
MF 245 Tractor
MF 265 Tractor
MF 275 Tractor
MF 285 Tractor
MF 30B Tractor Loader
MF 1050 Grinder Mixer
MF 750 Combine
NI Manure Spreaders
Caldwell Shredder
Bearcat For Harvester

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Maxatawny, PA 19538
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**USED EQUIPMENT**
Corn Head for M or L Gleaner Combine, 4 Row
Hesston PT10 Haybine
Gehl Mower Conditioner
Hesston 12' Hydro Swing Mower Conditioner
NH 790 Manure Spreader
NH 325 Skid Loader
(2) Good Flat Bed Wagons w/running gears
Used Balers
Used Discs

**USED TRACTORS**
AC CA
AC D17 Series 4
AC D19
Farmall M Diesel w/MH Picker
Used Lawn & Garden Tractors w/mowers

**NEW EQUIPMENT**

Good Price on Kaston Forage Boxes

AC 2600 16' Disc
Bale King Hay Wagons
NH Skid Loaders
Hub Tool Elevators formerly N.H.
Moridge 400 bu. Dryer
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**NEW TRACTORS**
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AC 5050
AC 7010

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FORD 8N, Like New
FORD Jubilee
FORD 2000 w/Loader
FORD 3000 Diesel
FORD 4000 Gas
FORD 5000 Diesel
FORD 5600 Diesel, Like New
FARMALL H
IHC Cub w/Blade

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R D 5, Towanda, PA
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WHITE - 2-85 Tractor
2-45 Tractor

KAWANEE-
46 ft. 8" Auger Elevator

BRILLION-
12 ft. Pullveriser

GEHL-
2600 Skid Steer Loader

**USED EQUIPMENT**
Gehl Forage Wagon with Tandem Running Gear
Int. 350 Harvester with 1 Row Cornhead and Hay Pickup Head.
Oliver 3242 Mtd. 3-Bot. 14" Plow
Oliver 1850 Gas
(2) White 5400 4-Row Cornplanter, 1 w/ Liquid and 1 w/ Dry Fert.
FB88 Gehl Forage Blower
NI 324 Gathering Unit w/314 sheller

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**New Equipment:**
F.O.B. no trades
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IH 484, fully equipped $10,475
(2) 1650 cub cadets w/mowers $2995
(2) 56 blowers $1850
#10 flail chopper $3695
5500 3 rank 9' mounted chisel plow $1795
1250 grinder mixer w/roller feed $4750
550 spreader w/hyd. endgate $3495
575 spreader w/hyd endgate $5295
**Used Equipment:**
(2) 990 IH mower conditioners $1795
225 IH self-propelled windrower $2195
700 IH 4 bottom auto. reset plow $1695

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JD M tractor, single row cultivator and hose, 717-872-2789 after 5

New Holland 1010 balestocker, good condition, make offer, 215-445-6816

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**IRRIGATION PIPE & PUMPS**
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Ford Tractors Equipment

SPERRY NEW HOLLAND

## TRACTORS

Ford 9000
Ford 8000 Dsl.
(3) Ford 5600 Dsl, low hours
Ford 5000 Gas
Ford 4100 Dsl.
Ford 3000 Gas
Ford 1000 Dsl.
Ford 860 Gas
Int. 2404 Gas, Turf Tires, & Snow Plow

**EQUIPMENT**
NH 33 Crop Chopper
NH 36 Crop Chopper
NH 512 Spreader
Good Selection New & Used Snowmobiles

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RD 3 Tamaqua, PA 18252
Phone: 717-386-5945

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Farmall M w/2M-HD IH mounted cornpicker $1300
NI 270 7' cutditioner, new flails, nice condition $1400
NI 212 146 bu. single beater spreader, nice condition $1050
NI model 213 spreader, 165 bu., 3 beaters w/hyd. gate, good cond. $1500.
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Used Corn Pickers and shellers 1 and 2 row mounted and pull type. Used Harvesters, Choppers, Forage Wagons, Gravity Bin Wagons, Farmhand Blurr Mills, Roller Mills, Cutditioners, Balers, Corn Shellers, Blowers, Cultipackers, Brillian Seeders, Grain Drills, Disc Harrows, Chisel Plows, Cultimulchers, Field Cultivators, Rotovators, Stone Pickers, 1-7 bottom plows, Manure Spreaders, Skid Steer Loaders, Rotary Mowers, Rakes, Trenchers, Fork Lifts, Loaders, Backhoes, Scraper Blades, Road Graders and Clay Tank Spreader Large selection of Tractors 3 Tractors with 2 row mounted corn Pickers Lots of Equipment not listed

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**NEW TRACTORS**
DX-160 Deutz Tractor w/cab & air, 145 h p
DX-90 Deutz Tractor, 84 h p
D13006 Deutz, 135 H P

Coming In Used D1006 Deutz (105 h p) w/ cab
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King Chisel Plow, new, 9 tooth $950
Great Bend 1010 Loader w/96" bucket, 4000 lb cap, like new $2500
Custom built diesel Gen-Sets made to order
New & Used Deutz diesel engines at special prices Call for details
New Deutz F2L-912 diesel engines 20 32 H P electric start

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N6 rotary
LKS 2
FKS 2
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1977 LKS w/heads
Int. 205
**NEW TRACTORS**
7020
185
5050 FWD
5050
5030
5020
**USED TRACTORS**
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IH cub w/loader
Deferral on Combines, New & Used
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AC 6-row no till planter
JD 6-row 1250 planter
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JD 24T baler w/thrower
Badger 205 manure spreader
New & Used windrowers

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FARM EQUIPMENT

JOHN DEERE

**TRACTORS**
JD 4230
JD 2020 D
JD 730 Gas
JD 720 Diesel w/electric start
White 105
MF 1085
IHC 560D
IHC 504 w/Plow
Ford 6000

**COMBINES**
IH 205
IH 915 w/2 heads
JD 215 Flex Head
JD 444 Corn Head

**PLANTERS**
AC 600
JD 1240
JD 6R Conservation
JD 2R 23
IH 4R 400
Ford 4R 409
White 543

**HAY TOOLS**
IH 225 SP Hay Swather
IH 1190 Mower Conditioner
JD 1209 Mower Cond.
JD 24T Balers

**MISCELLANEOUS**
JD 1450 5x18 Plow
JD 345 5 Btm. Plow
Ford 10' Disc

**TOBIAS EQUIPMENT CO., INC.**
Halifax, PA 17032
Phone 717-362-3132

**USED EQUIPMENT**

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**TRACTORS**
- MF 25 D Tractor
- Oliver 1755 Diesel
- Oliver 1800 Diesel
- Ferg TO 20
- Ford 861 w/snowplow

**COMBINES**
- 1980 JD 6620 Sidehill Combine 484 hrs with 2 Heads
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- JD 55 Combine w/2 Heads

**CORNHEADS**
- JD 443 & 444

**NEW EQUIPMENT IN STOCK**
- JD 850 Tractor
- JD 2240 Tractor
- JD 2640 Tractor
- JD 4440 Tractor
- JD 444 & 643 Cornheads
- JD 660 Rake

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SPERRY NEW HOLLAND

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**NEW HOLLAND NEW EQUIP**
- 1495 SP Haybine
- 256 & 258 Rakes
- 310 & 315 Balers w/Throwers
- 474 488 & 489 Haybines

★ Many More Items Call For Prices
★ Old Prices On Machiney In Stock

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F886
F140 special price
Int 584 w/2250 loader special price
Int 584 row crop
Int 384 w/1850 loader
Int 284 4 wheel drive
Int 284 gas & diesel
Cub 184 Lowboy

NEW EQUIPMENT

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510 plow 5 18
720 plow 5 18
475 disc harrow 11 6
350 disc harrow 10 3
55 chisel plow

**LAMB'S FARM MACHINERY**
Thorndale, PA
Phone 215-269-2676

CFH

JOHN DEERE

**USED EQUIPMENT**
JD 4230 Tractor
JD 1050 Dsl 400 hrs
JD 3300 Gas, Cab 13'
JD 7700 Turbo Hydro Combine
JD 105 Dsl Comb SOLD
C H
JD 7000 6R Planter
JD 7000 4R N Plan SOLD
JD 54 Spreader
MH 510 Spreader
JD 1550 Power-Til Seeder
JD 25A Flail Mower

**NEW EQUIPMENT**
JD 2940 4 WD
JD 4840 Tractor
(2) JD 7720 Combine w/643 C H & 216 Flex Plat 1 SOLD
JD 216 Flex Platform
(3) JD 6R Consv Planter
JD 6R Regular Planter

**CFH, INC.**
East Main Street
Cecilton, Md. 21913
(301) 275-2195
648-5416/775-6608
Evenings & Weekends
Call Gary (301) 885-2248

**HYDRAULIC REPAIRS**
**CYLINDERS • JACKS**
**PUMPS • CAB JACKS**
**BEARTOWN HYDRAULICS**
New and Used Equipment
Narvon, PA
Rt. 322 Midway
between Honey Brook & Blue Ball
Phone 717-354-5649

JOHN DEERE

**SPECIAL CLEARANCE BUYS**

**NEW JOHN DEERE EQUIPMENT**
336 Baler w/ejector
HD 336 Spring Tooth Harrow
415 Rotary Hoe
1207 Mower Conditioner
1209 Mower Conditioner
2500 4B Hyd. Reset Plow
2500 5B Spring Reset Plow
1610 Chisel Plows
660 Rake
790 Flail Spreader
C81 Spin Spreader
40 Spreader
714 Chuck Wagon
1065A Running Gear
1075 Running Gear
1710 Mulch Tiller

**OTHER EQUIPMENT AVAILABLE**
JD 45 Rear Blade 7'
JD 88 Rear Blade 9'
Bush Hog RM30 Rear Blade 6'
Bush Hog 1123-7' Rear Blade
JD 143-145-148 Loaders
JD 609 Rotary Cutter
JD 850, 950, 1050 Tractors
Bush Hog 146-302 Disc Harrows

**USED EQUIPMENT**
JD B
JD LA
JD 520
JD 720
JD 3010
Farmall H, M, MD
AC C, WC, WD
Ford 8N
Ford Dextra (Diesel)
JD 55 Combine
JD 95 Combine
AC Cleaner CII
Bush Hog 1600 Cutter
Wood C-114 Cutter
NH 6' Cutter
Brillion RSS-112 Cutter
JD 507 Cutter

Special Deals on More Equipment not listed See us Now!

Call For Details
**MILLER'S SALES & SERVICE INC.**
West Penna. Ave. on Highway 851
Stewartstown, Pa.
717-993-2470
or 993-2732

FARM EQUIPMENT

**GET A REAL GOOD DEAL ON REPOSSESSED EQUIPMENT**

NH 38 crop chopper
NH 320 baler w/thrower, exc. cond.

Ph: 717-367-1319
717-653-8867

**GOOD USED EQUIPMENT**
Oliver 1800 diesel, clean, WFE, equipped w/hydro shift
IHC model 350 trailing disc harrow 11'6" good cond.
Ontario hoe drill
Leyland model 2100, 100 hp. w/16.9x34 dual wheels 1400 hrs. w/cab, clean
IH 990 7 ft. mower conditioner
Used NI #279 cutditioner, like new
IH 674 gas utility w/620 hrs.

**LARGE SELECTION OF IH ERTL TOYS FOR CHRISTMAS**

NEW IDEA

**L.L. ECKROTH FARM EQUIPMENT, INC.**
Rd 2, New Ringgold, PA
717-943-2367

**LARGE SELECTION OF CLEAN TRACTORS, READY TO WORK WITH NOT WORK ON!**

| | |
|---|---|
| Farmall Cub Super A & 140 with equipment | |
| IH 444 | Farmall C w/loader |
| IH 544 utility | IH 656 hydro's |
| 706 w/hyd torque | 8N Ford |
| 600 Ford | 800 Ford |
| 5600 Ford w/ldr | 4430 JD |
| 225 hrs | 1080 MF |
| MF 135 w/loader | 360 long |
| Hefty F | |

New J&M model 210 gravity bins
Woods Scraper blade, 6 & 7'
On Special Month Of December

Reconditioned plows, disc harrows and other equipment to fit your farming needs If we don't have it, we can get it

**YORK COUNTY FARM AND INDUSTRIAL EQUIPMENT**
Box 222, Emigsville, PA 17318
717-764-6412 764-5115

**SPERRY NEW HOLLAND**
Is Featuring

Dollar Dividend Days

Thru December 31

See us now for Big Dividends or waiver of finance charges on eligible equipment.
NH 310 & 315 balers
NH 474, 488, 489 mower conditioners
NH 256 & 258 rakes
NH 782 & 892 forage harvesters w/heads
NH 30 blower
NH TR 85 combine w/heads
NH 519 manure spreader
NH 358 grinder mixer
NH L-325 & L-445 skid loaders

**ABRACZINSKA'S FARM EQUIPMENT, INC.**
(south on Rt. 42)
Rd 1, Catawissa, PA
717-356-2323

Dollar Dividend Days

**M&R EQUIPMENT**
New Park, PA
York, Red Lion Brogue - 246 1972
Stewartstown, Fawn Grove
717 993 2511
MD Customers call Res 301-452-8693 after 6 P M

SEE US FOR SALE PRICES ON
SPERRY NEW HOLLAND
SKID LOADERS & MANURE SPREADERS.

ORDER PARTS NOW FOR SPRING BEFORE PRICE INCREASES!

FARM EQUIPMENT

**FOR SALE**
**HESSTON 10 STAKHAND**
**PAUL D. MAST**
**215-286-9510**

FARM EQUIPMENT

NI 702 Diesel Uni Power Unit
NI 213 Spreader
NI 290 mow/ditioner
NH 675 Spreader,
NH 479 Haybine

**ROY H. BUCH INC.**
Ephrata
717-859-2441

**BALDWIN ELECTRIC MOTOR DIVISION, INC.**
Warehouse and Factory Service
Call 717-354-5566
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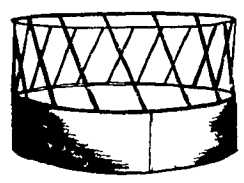
**BALDOR ELECTRIC MOTORS**

ENERGY-SAVING BALDOR ELECTRIC MOTOR

Serving Southeastern Pa., Maryland, Delaware & New Jersey
FARM DUTY MOTORS IN STOCK
P O Box 232 Honey Brook PA 19344

SCRANTON
**ROUND BALE FEEDERS**
"The Farmers Favorite"



SAVE UP TO 57% Of The Hay You Feed

- Cuts hay waste
- Slant bar design prevents animals from crowding
- Built of 1¼" square tubing, stronger than round tubing
- Cattle rarely pull hay out
- can be used for feed silage and square bales

| NEW | USED |
|---|---|
| • Verme SOLD 3F Bal | • Martin S1466 Spreader |
| • Vermeer 605G Baler | • Vermeer 504G Baler |

**RED WING FARMS**
RD #1378, Fleetwood, Pa. 19522
215-944-0791

**NEW MACHINERY**

| | |
|---|---|
| 1 - JD 1209 mower conditioner | $5000 |
| 1 - JD 6000 blower | $1300 |
| 1 - Century 300 gal sprayer | $1700 |
| 1 - Little Giant Elevator 38' | $1800 |

Several model 2600 & 2800 plows, 3 bottom, 4 bottom & 5 bottom, 16" & 18"
Chisel Plows

**USED MACHINERY**

| | |
|---|---|
| 1972 JD 4400 combine with 13' platform and 343 corn head | $20,000 |
| 1976 MF 750 combine with 14' grain head and 44 corn head | $35,000 |
| 1976 New Idea 325 picker-sheller 30" row | $4000 |
| JD 4010 Diesel Tractor | $7500 |
| AC D17 Gas Tractor, good cond | $2500 |
| AC WD45 Diesel, good cond | $1500 |
| JD 2010 Gas w/Loader | $3500 |
| IHC H Tractor | $1275 |
| IHC 400 4-Row Aire Planter | $3500 |
| IHC Model 56 4-Row Planter | $1500 |
| (2) JD 494A Planter, Ex Cond. | ea. $975 |
| Starline Spreader, like new | $2000 |
| Case 1737 Skid Steer Loader | $3500 |
| NH 271 Baler | $975 |
| IHC 430 Baler w/thrower | $2500 |
| 1740 Cart Harrow 19' new teeth | $1500 |

JOHN DEERE

**WALTER'S SALES AND SERVICE**
RD 2 Mifflinburg, Pa.
717-524-4637
JD Agricultural Dealer and CP

## YEAR END CLEARANCE ON FORAGE EQUIPMENT
Badger Wagons, Blower, Harvester
Call For Details

**EQUIPMENT FOR SALE OR LEASE**

BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers
Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls

**SHOW-EASE STALL CO.**
573 Willow Rd. Lancaster, Pa
Ph 717-299-2536

## LANCASTER SILO CO., INC.
2008 Horseshoe Road - 2436 Creek Hill Road
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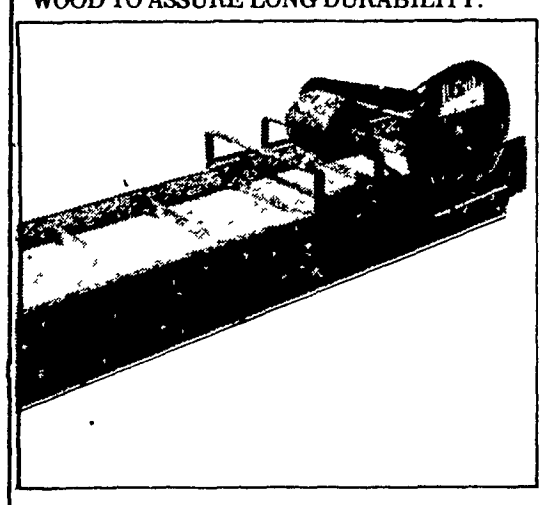
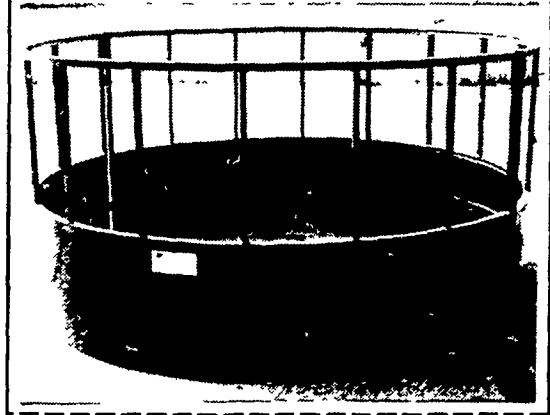
MANUFACTURER & BUILDER OF QUALITY WET-CAST CONCRETE STAVE FARM SILOS

"LANCASTER" TAPER BOARD FEEDERS & CHAIN SLAT CONVEYORS. BUILT WITH WOOD TO ASSURE LONG DURABILITY.



"LANCASTER" BELT BUNK FEEDER IF YOU WANT A CATTLE FEEDER THAT IS: DEPENDABLE - QUIET - SIMPLE - LOW COST - NO FEED SEPARATION & WILL NOT RUST - THIS IS THE ONE!

**ROUND HAY RACKS - 2 PIECE**
18 Openings - Can use for regular or Large Bale $170.00



**ALL ABOVE ITEMS IN STOCK - AVAILABLE NOW**

DEALERSHIPS AVAILABLE FOR SEVERAL COUNTIES:
CALL LARRY
717-299-3721

### TRACTORS
Farmall A w/cult., pulley & PTO
Farmall Super H, w/live hyd.
AC WD
D2 Cat crawler for parts, new head not on

### MISCELLANEOUS
NH Flail Attachment for NH Baler to bale corn fodder
New Killbros. gravity boxes & running gears
Flail Choppers From $225 up to $650.

### SPREADERS
NH 180 bu.
NI 150 bu
NI 130 bu
(2) self unloading wagons
IH 8' snow plow, fits most tractors up to 100 h p

Choreboy milk parlor complete or sell parts

### DISMANTLING TRACTORS FOR PARTS
JD 70, 4010, IH F 14, A, B, C, H, M, 300, 350, Supers C, H & M JD A, B, 50 & 60 AC WD & D17 Oliver 70 & 77 Ford 8N & 860 Case SC & V A C Massey 44D, IH 400, MTA, 240, F20, WD

### COMBINES FOR PARTS
300 MF, IH 303, 203, 91, 151, 125, 127, 64 & 75, 141, 205 JD 40 & 55 square back, 55, 40 & 45 round back, 95, Gleaner C11 & A's, Massey 82, 92, 80, 90, 26, 27, 35, 72 & clipper Oliver 35 & 430 Case, Ford, Oliver, Woods & AC Clazy Tires & wheels most sizes.

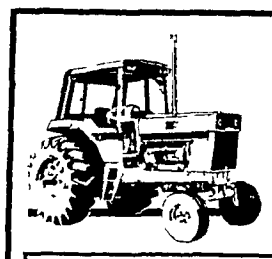
**KEITER'S FARM MACHINERY**
R D #1 Halifax, PA 17032 Rt 225 20 mi. from Hbg
Phone 717-362-9574 or 362-9096

## FOR SALE

| | |
|---|---|
| 1 760 Schwartz mixer feeder with scales approx 3 yr old | $4500 |
| 1 New 1500 gal vacuum liquid manure tank with 6"x15' fill hose | $4000 |
| 1 Demo 210 VanDale truck mount mixer feeder with scales mounted on 1971 GMC truck 350 V8 with 4 speed motor rebuilt | $12,000 |
| 10 ft thru 16 ft rebuilt VanDale silo unloaders | |
| 1 7 ft Vaughn chopper manure pump rebuilt 540 PTO drive shaft | $2500 |

New VanDale stationary and trailer model mixer feeders in stock
12 ft thru 30 ft New VanDale silo unloaders in stock
New ½ hp 10 hp Baldor motors in stock
New Van Dale manure pumps, centrifugal and agitator filler pumps in stock as well as liquid manure tanks and soil injectors
K&S Inc Also is stocking Uebler electric feed carts and mixer feeders Also a complete line of Red Top Cattle waterers with S S troughs

Contact
**K & S INC.**
Rd 1, Quarryville, PA 17566
717-284-3111



## USED EQUIPMENT

1978 IHC 1086 Tractor, 370 hrs., 20" rubber, cab, and air.
1974 IHC 1466 Tractor w/cab, less air, $11,750 w/new rubber
IH 1468 Tractor w/cab, air, & 20" rubber, an excellent running heavy tractor for $13,900.

704 NI Uni w/combine, 800 hours.

IHC 656 Utility Gas Tractor w/2000 Loader
JD 4430 Tractor loaded, excellent
IHC 424 Utility Tractor w/excellent loader
JD 1020 Gas Tractor w/#47 loader
Farmall 656 Gas Tractor, recent motor job & New tires
INT. 503 Diesel Hydro Combine with late type throat and 843 Corn Head.
NI 708 Uni w/717 combine and 15' flex type soybean head and 4 row 744 N corn head.
IHC #10 13x7 Grain Drill

**RAYMOND B. LEAMAN**
Willow Street RD 1, Ph Lancaster 464-2778
Midway between Lancaster & Quarryville
off Rt. 222 take Brenneman Road
at Graybill Bros Garage, Refton

FARM EQUIPMENT

## USED FARM EQUIPMENT

Farmall Cub
Farmall Super C with 2 Bottom Plow
Farmall H with rebuilt engine
2 Farmall M
Farmall 460, power steering, fast hitch
Farmall 424 diesel, WF, 3 pt hitch, power steering

**SPECIAL!!!**
**4130 SKID STEER LOADER, NEW 25 H.P.**
**$6900**

**DIBBLE HARDWARE**
Meshoppen, PA
717-833-5337

Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

### USED EQUIPMENT

**TRACTORS**
JD 2030 diesel
IH 656 gas
Ford 8N w/sickle bar
JD M w/plow & cultivator
Farmall H w/loader
IH 140 w/Woods mower
AC 5040

**HARVESTERS**
NH 717 w/2 row head
NH 880 w/pickup
JD 34 w/2 heads
JD 3 row head only

**MISC. ITEMS**
JD 205 5' rotary
JD 216 forage wagon
JD 300 garden tractor
JD 140 garden tractors

**TILLAGE & PLANTING**
JD FB-B grain drill
Oliver grain drill
JD AW-13' disk, new blades
JD 110 12' disk
JD AW 10' disk
JD RW 10' disk
JD BWF 13' disk

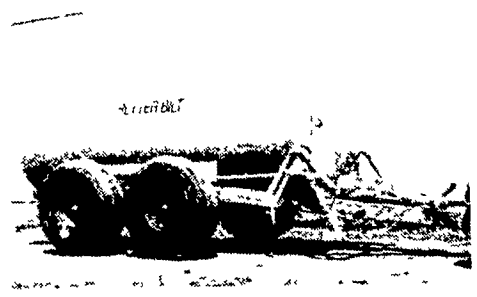
**SPECIAL OF THE MONTH**
JD 225
DISK 10' 6
$3900

**HAY EQUIPMENT**
McCormick Rake
JD rake
MF #12 baler w/thrower
NH SP 1469 windrower
JD 830 windrower
JD 38 mower
JD 483 mower cond.

**OTHER NEW EQUIPMENT SPECIALS**
Hesston 1090 mower cond $4850
Badger 14' forage wagon w/roof & gear, $4500

**PIKEVILLE EQUIPMENT, INC.**
R.D.2, Oley, PA
Phone: 215-987-6277
Serving the Oley Valley Since 1936

## BRICKERVILLE EQUIPMENT
* SALES * SERVICE * PARTS
RD 1, Lititz, Pa., ½ mile East of Brickerville on Rt. 322 717-626-6198



SPECIAL PRICE ON
1100 thru 3150 Vacuum Units In Stock
(1) 3150 Auger-Matic
(1) 2100 Auger-Matic

**USED EQUIPMENT**
(1) 2100 Auger-Matic
(1) 800 Vacuun(SOLD)
(1) 1100 Vacuum
(1) 3 pt. 4 knife injector unit

**BUY "BETTER BILT" EQUIPMENT WHY? IT'S "BILT-BETTER"**

**CALL US FOR YOUR NEEDS OF**
• Farrowing Crates • Lagoon Pumps • High Pressure Pumps

**CALL FOR PRICE**
We believe in being competitive.
Call and give us a try.

FARM EQUIPMENT

### USED EQUIPMENT
AC 160 Tractor
JD 4020 Tractor
JD 494A Planter
JD 694A Planter
JD 7700 combine
JD 4400 Combine
JD 105 Combine
JD 244 Cornhead
IHC 445 baler (like new)
JD 214WS Baler
JD 24T Baler
NH 469 Haybine 9'
JD FBB Drill
JD FB Drill
JD 3800 Chopper
JD 110 Disk 13'
Oliver 5x16 Plow
Case - Field Cultivator
FORD - 230 Disk
IHC 510 drill

### NEW EQUIPMENT
Spring Tooth Harrows in Stock
Grimm Tedders in Stock
H & H Bale Bodies

### SPECIAL PRICES ON NEW EQUIPMENT
JD 111 Disk
JD 1630 Plowing Disk

* * * * * *

**J.S. COVERT & SONS**
Neshanic Station, NJ
201-369-5241
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

JOHN DEERE

(NEW)
JD 605
Spin Spreader

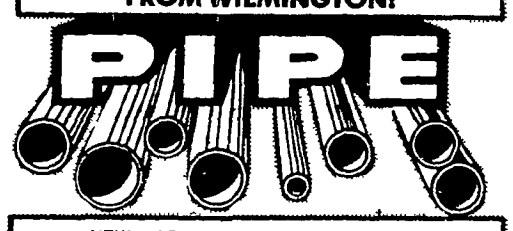
JD 4030 Tractor
JD 4020 Tractor WFE
JD 2640 Tractor w/loader
JD 2010 Tractor
JD 1020 Tractor
JD 850 Tractor
IHC M Tractor
IHC Super C w/mower
IHC 185 Cub Low-Boy
MF 20C Tractor w/loader
JD 350 crawler w/blade
JD 1209 Mower Conditioner
JD 54 Manure Spreader
JD 237 Corn Picker
JD 227 Corn Picker
JD 1240 Corn Planter
JD 1240 Corn Planter
JD 7000 4R Consv Planter w/Liquid Fert
JD 1440 No-Til Corn Planter
JD 494A Corn Planter
AC 4-Row No-Til Corn Planter
IH 51 Corn Planter w/Liq Fert
JD RWA Disc
Athens Disc
JD 15 Disc Van Brunt Grain Drill
JD 3800 Chopper w/2 row corn hd
JD 34 Chopper w/corn head
JD 105 Combine w/platform and corn head
JD 7700 Combine w/platform and 6R corn head
JD 224 Baler w/ejector
JD 214 Baler w/thrower
JD 24T Baler w/ejector
JD 24T Baler w/ejector
JD 115 Chuck Wagon
JD 894A Rake
NI 272 Cut/ditioner
NI 279 Cut/ditioner
JD 145 6B Plow
JD 1450 5B Plow

**ENFIELD EQUIPMENT INC.**
Whiteford, MD 21160
Ph: 301-452-5252

FARM EQUIPMENT

## H. SCHWARTZ & SONS, INC.

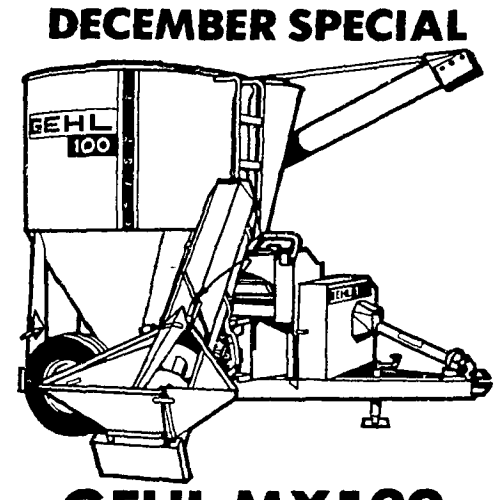
NOW SERVING THE STATE OF DELAWARE DIRECTLY FROM WILMINGTON!




NEW USED and RECONDITIONED PIPE
STANDARD EXTRA & DOUBLE EXTRA HEAVY - ALL SCHEDULES - ALL TYPES FABRICATION THREADING CUTTING — WELDING

121 SO. MARKET ST. - WILMINGTON 19801
302-656-0276 or 215-DE1-4240

## DECEMBER SPECIAL




## GEHL MX100

New, Fully Equipped (1 only)

## $5575

Special prices on CB700 and CB1000 with cash bonus. Check off up to $450.

## ZOOK ENGINES

R2 Box 222A
Honey Brook, Pa. 19344
Answering service 215-273-2943

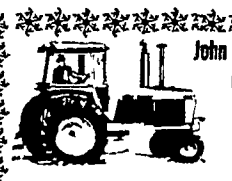
## FARM TRACTORS AND EQUIPMENT

| | Retail | Cash & Carry Price |
|---|---|---|
| **New** | | |
| 6"x41' Allied Auger | $1465.00 | $1210.00 |
| 28' Little Giant Elevator | 1617.00 | 1375.00 |
| 32' Little Giant Elevator | 1704.50 | 1427.00 |
| 36' Little Giant Elevator | 2037.50 | 1706.00 |
| 718 New Holland Forage Harvester | 6416.00 | 5002.00 |
| 770 New Holland Row Crop Head for 718 | 1430.00 | 1250.00 |
| 10'6" Amco Offset Tandem Disc | 5507.00 | 4477.00 |
| **Used** | | |
| Hawkbilt Tank Type Manure spreader-Used | 650.00 | 250.00 |
| John Deere Pull type corn planter-Used | 250.00 | 125.00 |
| New Holland Forage Blower w/pipe-Used | 200.00 | 100.00 |
| Meyers 27" snow-plow for tricycle tractor - Used | 550.00 | 450.00 |
| 282 New Holland Baler-Used | 2950.00 | 2000.00 |

Ford Tractors Equipment

## EDWARDS FARM EQUIPMENT

291 W. Moorestown Road,
Route 512 At Clearfield,
Nazareth, Pa. 18064
Phone 1 (215) 759-0240



John Deere design, dependability, and dealers make the difference

JOHN DEERE

### NEW EQUIPMENT

**New Tractors**

JD 1050
JD 950
JD 850
JD 2440
JD 2040
JD 4440 w/PS, cab & air

**USED HARVESTERS**

JD 34 w/2 RC & hay pickup
JD 38 w/2 RCN & hay pickup
JD 3800 w/2 RCN & hay pickup
NH 707 3 pt hookup w/RC attach

**NEW FORAGE HARVESTERS**

JD 3940 w/2 RC & hay pickup
JD 5440 SP w/3 RC & hay pickup

**NEW JOHN DEERE EQUIP**

JD 350 5 bottom semi mounted power reset plow
JD 215 12' 10" disc harrow

### USED TRACTORS

JD 4520, SR w/year around cab
JD 4320, SR, WFE
JD 3020 diesel
JD 3020 gas
JD 2520 gas
JD 2640 HU diesel, hi lo
JD 2440 HU diesel, hi lo
JD 2630 HU diesel
JD 2030 RU diesel w/48 loader
JD 2010 gas RC
JD 720 diesel RC
IHC 656 diesel hydro, exc
IHC Super C
Farmall A w/cult

**USED PICKERS**

NI 324 2 RW picker
NI 323 1 R

**USED COMBINES**

Massey 300 w/cab & 13' platform, 3 RW head
708 NI power unit, like new w/hydrostatic cab & air

**NEW IDEA 206 GROUND DRIVE SPREADERS WILL BE COMING**
(Taking Orders Now)

## LANDIS BROS., INC.

1305 Manheim Pike
Lancaster, PA 17601
717-291-1046

JOHN DEERE *Nothing runs like a Deere*

## THIS WEEK'S SPECIAL

**NH 1469 Haybine w/Ford Water Cooled Engine**

### USED FARM EQUIPMENT

JD 4020 WF
JD 4020 NF
JD 630
Farmall M Tractor
Fox 2R Forage Harvester
JD 215 Grain Platform like new
NH 880 R2 Head
NH 880 W Pickup Head
243 & 244 Snapper Heads for JD Forage Harvesters Narrow & Wide row
NH Grain Dryer
JD 3300 Combine
Oliver Side Rake
JD 16A Flail Chopper
JD 336 Baler
Bale Wagon
JD 24T Baler w/#30 Ejector
IH Hay Crimper
OMC 9 Mower Conditioner
Bradley Elevator
50' Bale Elevator
McCurdy Gravity Box w/JD running gear and flotation tires
JD 707 4 Row Rotary Mower
NH 469 Haybines
15 HP 3 phase elec Motor
JD 1240 Corn Planter
JD 494A Corn Planter
JD 381 Spin Spreader

**FREE FINANCE on JD Tractors, Hay and Forage Equipment, also NH Hay and Forage Equipment.**

### NEW FARM EQUIPMENT

JD 2940 Tractor
JD 2640 Tractor
JD 1050 Tractor
JD 950 Tractor
JD 300 Husker
JD 1420 2R no till Planter
JD 1209 Mower Conditioner
NH 38 Flail Chopper
JD 2600 & 2700 4B Plows
JD 1600 Chisel Plow
JD 45 2B Plow
NH 718 Fg Harvester
NH 892 Fg Harvester w/Metal Detector
JD 3960 Fg Harvester
JD 336 Baler
NH 310 315 & 320 Balers
JD 2420 Sp 12 Dsl Mower Conditioner
NH 489 & 495 Haybines
JD 210, 215, & 235 Disc Harrows
JD 336 Lever Harrows
Bobcat Skid Steer Loaders 310, 530, 632 & 732
JD 381 & 392 Spin Spreaders
NH 358 Grinder Mixer
Glencoe Soil Savers
EZ Trail Wagons
EZ Flow Forage Boxes
Martin Manure Spreader V Type & Scavenger
JD 550 Sprayer
JD 335 Skid Sprayer
JD 66 Blower
JD 567 Wheel Rake
Most Model JD Loaders & Blades

## CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103

bobcat NEW HOLLAND

FARM EQUIPMENT

For Sale 85 chrome pipe with elbow, $80, real good shape 215 445-4280

Case 1816 uni loader, NH trencher Model T330, automotive cooling, 212 JD garden tractor 215-932-9064

FARM EQUIPMENT

4320 JD, 4020 JD, 3020 JD 235 Massey 717-547-2387

NI 279 cut/ditioner, 1 yr old, 1971 3020 D side console, 1966 3020 D power shift 301-582 1927

FARM EQUIPMENT

Gleaner E Combine 10' head, Gleaner 1975 MK combine 15' head, Diesel, MC 600 Grain Dryer, 1970 Ford LN 9000 Trk Tractor, Papec Forage Wagon Phone Eves 609 654-7489, Ed Vogt & Son, Medford, N J 08055

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★ *New Holland - Balers, Harvesters, Rakes, Mowers, Haybines, Spreaders, Grinders, Skid Steer Loaders. Stocked Ready For Delivery.*

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- New Holland New & Used Hay Equipment Until June 1, 1981
- Harvesting Equipment til August 1, 1981
- New Holland Bot Spreaders And Grinder-Mixers Til April 1, 1981

## NEW EQUIPMENT FALL SUPER SPECIALS

NEW HOLLAND
#478 Haybine ..... $4,560
#472 Haybine ..... $4,750
#325 Loader 54" bucket. ..... $8,375

**PLUS DOLLAR DIVIDEND DAYS**

## USED EQUIPMENT

NH 477 Haybine
(2) NH 469 Haybines
NH 479 Haybines
JD 1209 Haybine, Ex Cond.
NH 512 Spreader
NH 518 Spreader, top beater
NH 518 Spreader, hyd. end gate
NH 519 hyd. end gate & Top btr.
NH 475 Spreader Ex. Cond.
NH 268 Baler w/Thrower
NH Super 69 Baler w/Thrower Ex. Cond.
NH 55 Rake
NH #23 Blower
NH #27 Blower

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White Farm Equipment

bobcat

SPERRY NEW HOLLAND

## USED EQUIPMENT

**TRACTORS**

Int 350 w/Loader
Oliver 1750

**HAYTOOLS**

IHC 990 Mower Conditioner
NH 469 Haybine
NH 479 Haybine
NH 488 Haybine
NH 1469 Self Propelled Haybine
NH 68 Baler w/Thrower
NH 315 Baler w/Thrower
NH 30 Ft Elevator
Oliver 620 Baler w/Thrower
JD 24T Baler w/Thrower

**COMBINES & CORN PICKERS**

JD 227 Picker
Oliver 535 Combine with 13' and 4-Row

**FORAGE TOOLS**

NH 880 R2-2-Row Head
NH 707 Harvester w/1-Row
NH Super 717 w/1-Row & Pickup
NH 717 Harvester w/1-Row
NH 770 Harvester w/2 Row & Pickup
IHC 650 w/2-Row & Pickup
JD 15A Flail Chopper
Gehl 300 w/1-Row & Pickup
Lamco 16' Forage Box w/roof

**SPREADERS**

NI 213 Single Beater
NI 214 with Hyd End Gate

**TILLAGE - PLANTING**

White 5400 Planter
IHC 56 4-row Planter with Insecticide
IHC 56 2 Row Planter

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2-30 Four Wheel Drive
2-45 2&4 Wheel Drive
2-62 Tractor
2-105 Tractor
2-135 Tractor
WHITE
543 6R Planter No Till
5100 4R No Till
WHITE
348 - CT & SAR Plow
WHITE 254 10'4" disc
WHITE 256 12'6" disc
WHITE 458 Chisel Plow
WHITE 466 Chisel Plow
N.H 310, 315 Balers
N H 256 - 258 Rakes
N H 707, 718, 782, 892 Harvesters
N.H Spreaders - 328, 513, 519, 679 & 800
Vicon 3 pt Fert. Spreader

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NH 850 Round Baler
Vicon KM 240 Mower conditioner
(Demo) Vicon SE 450 Power Harrow
Vermeer Twin Rake
Vermeer 5 Bale Trailer
Vermeer F100 Bale Unroller
Vermeer 504F, 504G Balers

FARM EQUIPMENT

## FOR SALE

MF 1085
MF 1130
MF 1155 w/cab & air
MF 760 combine, 6 row 30" corn head, 15' grain table
MF 321 corn head
MF 44 & 63 corn head
JD 60 Tractor
AC 190XT
Farmall 966
IH 574
MF 124 baler
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JD 2520 Diesel

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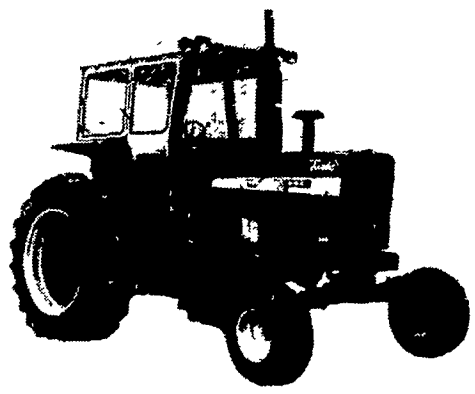

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IH 656 diesel, hydro, wf, 3 pt
IH 856 diesel, 3 pt , wf, 38" rubber, nice
IH 856 diesel, 38" rubber, recent engine overhaul, clean tractor
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Oliver 1650 diesel, local trade in
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Farmall 450 gas w/fast hitch & PS

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IH 2000 loader, excellent
IH 3-16 fully mtd plow 3pt
IH 540 plow w/hill side hitch
Duals 18 4x34 axle mount for IH
(1) Cab for IH tractor, 06 series & 56 series
IH weights

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WE ARE NOW
INCH EQUIPMENT CO.
FORMERLY MECKLEY DALMATIA
LOOKING FORWARD TO SERVING YOU

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**NEW EQUIPMENT:**

| | |
|---|---|
| Gehl CB700 Harvester, HD PTO drive, hydraulic deflector & manual cap, 11Lx15 8 ply tires, hydraulic cylinder, hydraulic knife sharpener, HA 1000 hay pickup head, TR 3038 corn head, freight & setup. Waiver of Finance til 5/1/81 List Price $11,992, | Sale Price $7900 |
| GEHL 100 Bushel Grinder Mixer setup & delivered | $5500 |
| GEHL FB99 Forage Blower, HD 540 RPM PTO (Waiver Til 5/1/81) | $1980 |
| GEHL 6 Ton Running Gear, wide rims, no tires, extendable hitch | $ 525 |
| GEHL RB 1600 Round Baler, freight & setup | $8800 |
| GEHL 54" Material Bucket for Skidsteer | $ 192 |
| VICON Windrow Turner, regular $350 | $ 250 |
| 1 Set McCurdy 18 4x38 snap on duals | $ 395 |
| Pequea Tedder PTO Drive, List $1365 | $1265 |
| 7' 3 Pt Utility Blade Danco | $ 275 |
| Lely 800 lb 3 pt Fertilizer Spreader | $ 895 |
| Badger Forage Wagon, 16'x6' Sides, w/roof & roof protector, 10 ton tandem running gear, 10 00x15 tires, freight & set up included, List $6855 | Now $5900 |
| 56 International Blower HD 540 PTO Freight & setup included $2145 | Now $1860 |
| 20 Single Disc Openers for 510 or 5100 Drill | $ 995 |
| 4512 Vibra Shank Cultivator 12' Frt & setup | $1850 |
| 6010 Consertil Chisel Plow 10' Frt & setup | $3820 |
| Badger 10 ton tandem axle running gear (Rear half only) (includes tires) | $ 700 |
| Jacobsen Snow Burst Lightweight Blower | $ 299 |
| 80 Lawn Tractor | 1979 price |
| 2-1250 Cadets | 1979 prices |
| 4-1450 Cadets | 1979 prices |
| Unicorn Log Splitter | $ 275 |
| Gilson 5 HP Walk Behind Tiller | $ 695 |
| Parker 36" Lawn Sweeper | $ 295 |
| 4 Jacobsen Lawn Mowers | 1980 prices |

**USED EQUIPMENT:**

| | |
|---|---|
| 7 HP Simplicity w/Mower & Snowthrower | Make an offer |
| Hahn Eclipse Mower | Make an offer |
| 574 Tractor Gas, 3 pt , hitch | $5500 |
| 756 Diesel Tractor, wide front end, good rubber | $8000 |
| 45 John Deere Combine w/Cornhead | $4000 |
| 205 Combine w/2 Row Cornhead & 13' Platform | $8000 |
| 715 Combine, 4 Row Cornhead & 13' Platform | $17,500 |
| **Waiver of Finance on New & Used Combines Till 9/1/1981!!** | |
| 400 Cyclo 6 Row Planter | $4000 |
| AC 6 Row Planter w/No Till | $3500 |
| **Waiver of Finance on New & Used Planters Till 4/1/81!!** | |
| 14' Folding Brillion Harrow | $1050 |
| 12' Single Gang Cultipacker | $ 350 |
| Pincor 15 KW Alternator | $1050 |
| #5 Stalk Cutter | $ 750 |
| GEHL Bale Carrier | $ 225 |
| Bale Wagon w/running gear | $ 795 |
| #10 Bale Thrower, excellent shape | $1000 |
| FB88 Gehl Blower | $ 750 |
| 4 Used Mower Conditioners In Stock | |
| Ford Baler w/Thrower | Make an offer |

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**USED TRACTORS & EQUIPMENT**

AC CA, WD, WD45, D10, D12, D15, D17's, D19, 160, 170, 175, 185, 190XT series III, 200, 7000; 7030, cab, air, duals, very good.
Ford 8N, 9N, 640, 601, 2000, 3000, 5000, 7000
MF 35, 165, 44
Case 430's, 2470 4 wheel drive, PTO, 3 pt.
JD 4320, 4020, 3020's, 730, 60, 2840
IHC cubs, M, Super M, 230, 400, 460, 560, 504, 544, 574, 656, 666, 674, 856, Super A w/equipment
New & Used 1 & 2 row corn pickers
New & Used 3 pt snow blowers
Large selection of double ring tractor tire chains, car & truck chains
30 used snow plows for tractors, loaders & trucks
10 used manure spreaders, PTO, tank, ground drive, 2000 gal liquid
AC 2600 series foldup 24' offset transport disc
Used 8' Brillion cultipacker seeder
3 NI 95 bu. ground drive manure spreaders, excellent condition
Int. 510 - 18x7 grain drill, like new
JD 13' plow disc, like new
Used mixer grinder mills - NH 354, IHC 1050 & 1150
New & used rotary mowers, 3 pt. & pull type
New & used plowing discs
New & used hay & grain elevators
New Lamco feeder racks & bunks
Used Industrial Equipment- AC H3, H4 crawler loaders, AC HD4 & 650 crawlers w/blades
JD 350B 6 way blade w/wide swamp tracks
JD 450 dozer
JD winch for 450
JD 550 crawler loader w/9300 backhoe
Bobcat 610 skid steer loader - backhoe attachments avail.
Large selection of new NI manure spreaders, 140 bu. to 350 bu
New Starline & Martin scavenger spreaders in stock
Deferred interest & payments on many new tractors & machines - 5-1-81 Allis Chalmers - 5-1-81 New Idea - 6-1-81 Hesston

**SPECIAL**

NH 791 tandem manure spreader w/hyd. tailgate, used 6 mos., exc. cond. $4975.
New Starline 185 bu. tank manure spreader, right or left hand delivery, $3295.

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Get your bargain buy on New Holland Combine, Hay and Forage Equipment plus a **Cash Dividend** from Sperry New Holland - - OR - - - you can have **Free Finance** until the seasonal use date - it's your choice! The sooner you buy the larger your dividend check

Special prices on some flail tank spreaders, liquid spreaders w/injector, some models of wagons, skid loaders and grinder-mixers

**USED EQUIPMENT**

NH 850 round baler
NH 273 Baler w/PTO Baler thrower
NH 1880 S P Fg Harv w/3 row N head
NH 273 Baler w/wagon hitch & chute
NH 461 & 469 Haybines
NH 518 Spreaders - hyd endgate or pan
NH S717 Forage Harvester
Gehl Grinder-Mixer
37 IHC Baler w/thrower
Hesston 310 SP Mower/Conditioner
IHC Hay Tedder
Cunningham Hay Conditioner
JD 60 Hopper Blower
AC Hopper Blower
JD 44 Flatbed Spreader
Fox 2300 Fg Harv Elec Sharpener
IHC 550 Fg Harv 2R adj and Pickup
Lely Rake - Tedder
3 pt 6' Reversible Blade

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FARM EQUIPMENT

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JD 2840 Dsl. Tractor
JD 530 Tractor
JD 420 w/Triumph sickle mower
Case 870
David Brown 1212 w/Loader
Ford 8N
Farmall A w/mower
JD 1450 5 Bt. Plow
JD 125 4 Bt. Plow
JD 3800 Chopper
AC 303 Baler
JD 336 Baler w/#30 kicker
Hesston 56 Round Baler
Hesston 10' Mower Conditioner
Hesston 6600 SP Windrower w/14' head.
NI 325 2-row Sheller
JD 54 Spreader
JD 1240 Plateless Planter
AC 6RN no-till #333 Model 78 plateless corn planter w/300 gal. liq. fert. tank, insect boxes & monitor, 1 yr old

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McCurdy gravity box, 275 cu ft
$530

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IH 435 baler w/thrower $6995

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IH 574 gas, w/new 2200 loader $8000
Farmall A w/undermount mower
IH 706 gas $5500
IH 656 gas
154 Lowboy A-1 condition $2995.
1650 Cadet, like new $2400
Oliver 5F 16" plow $1150
IH 531 plow, 3F, $600
IH 430 baler w/thrower $1600
JD 24T baler $700
IH 35 rake $1300
IH 37 disc $1200
IH 234 corn picker, $2100
NH tank spreader $800
109 Bush hog mower $1250
Int. 234 sheller attachment $1325
425 Artsway grinder mixer $2200
Case 11' disc harrow $1400
NI flail chopper, direct throw, $700
JD flail chopper $700
72" Woods under mount mower $750.
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IH 105 forage box
Century Sprayer $650

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200 gal trailer model $1050
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Ford 8000 with cab
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Ford 2600 w/broom, 50 hrs.
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Ford 4500 TLB
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1962 IH Scout 4 WD
Playmar camper, fully equipped, ideal for hunting & camping
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FARM EQUIPMENT

**USED EQUIPMENT**
Farmall C
Farmall 966D
Farmall 504
(2) Farmall H
Farmall 666 gas
Farmall 656 D
Farmall 656 w/WF axle
Farmall 560 gas
IH 2424 diesel w/200 loader SOLD
IH 784D
IH 674D
IH 656
IH 544D w/ldr
JD B

**NEW COMBINES**
IH 1440 w/844 corn head

**USED COMBINES**
IH 1440 w/844 corn head
IH 503 w/2 heads
IH 815 w/grain head
IH 205 w/grain head
JD 105 w/2 heads
MM 4296 w/2 heads

**NEW TRACTORS**
IH 3588 2+2
★ IH 284 diesel ★
IH 384 w/1850 loader
IH 584 diesel
Farmall 1086
Farmall 986
Farmall 88[illegible] SOLD

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IH 37 10'
IH 9A 9'
21' MF disc harrow
Lilliston rolling harrow
10' transport harrow

**CHOPPERS**
AC 720 chopper w/2 row head

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IH 735 vari-width, auto. plow
IH 55 chisel plow
IH 6000 consertil
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IH 122 5'6"
IH 122 6'9"

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IH 1 PR corn picker

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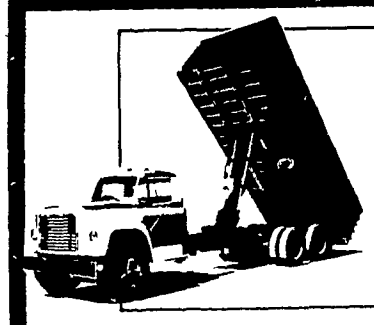

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Case 530 D
Case 830 D
Case 1070 D
Case 1370 C A-H
Ford 5000 G
IH 660 D
IH 1066 Hydro
MF 2135 Turf
JD A
AC 160 D
AC 7040 C A-H
AC 7080 C A-H

**MISCELLANEOUS**
Howard 80" rotovator
J D bar rake
Wetmore grinder
IH 12' disk
MF 3 bot plow
Oliver 6 bot plow

**LOADERS**
Case 1737
Case 1845 G
Case 580 w/hoe
Case 480 B
Uniloader Grapple
Uniloader Broom
Ford 3400 G
MF 30 D

**FORAGE**
Gehl 800 recutter
Gehl 600 harvester
Gehl 610 box
Gehl 910 box
Gehl 87 blower
J D 65 blower
N H 1880 SP
Grove box
IH #51 box

**NEW IDEA**
Manure Spreaders 212 213, 214, 224
272 cut-ditioners
#7 corn picker
323 pickers
325/314 picker sheller
404 wheel rake
254 trail mower

**UNI-SYSTEM**
701 Power Unit
702G w/combine
729 A sheller
767 harvester
762 row crop
760 hay pickup
710 combine
743 N corn head

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Case GEHL NEW IDEA BUSH-HOG ONTARIO

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FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

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IH F544 D w/WF
IH I-504 D w/loader
IH 806 D, recond
Farmall 350
F-460 G, engine good needs TA
Farmall 300
Farmall M
Farmall M
Farmall 300 gas

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IH 531 3-14"
MF 3 pt. 10' disc
MF 520 14' disc
JD 12' drag harrow, nice
IH 60 3-14" rope trip

**USED SPREADERS & MISCELLANEOUS**
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IH 350 harvester w/1-row & pickup
NH 818 harv , 2 hds
Gehl pickup hd for CB600
NH forage box w/chassis
IH 61 forage box w/chassis
Van Dale forage box w/roof
Dion forage wagon

**USED COMBINES**
MH 82 w/13' plat
MH 92

**USED CORN PICKERS SPECIALS**
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IH 1 PR corn picker 1-row
IH 234 w/sheller

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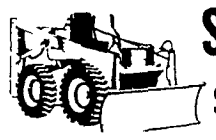

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| Case 580 Dsl | $8750 |
| Cabot Hyd Excavator Det Dsl | $8500 |
| 1972 Ford Dsl , Clean | $8200 |
| IH 3414 Diesel | $7000 |
| JD 400 Dsl | $8750 |
| JD 1010 Diesel w/hoe 3 pt & PTO overhauled | $6500 |
| Case 530 Diesel | $6500 |
| Ford Backhoe | $5400 |
| Ford | $5400 |
| Ford | $5200 |
| Case Backhoe Loader | $4500 |
| Ford | $3500 |

**CRAWLER DOZERS**

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|---|---|
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| Cat 46A real clean | $42,000 |
| Cat D4 40A Good | $11,500 |
| Cat D7, Hyd Blade | $7500 |
| Cat D8 2U Cable | $4200 |
| Cat D6, hyd | $6500 |
| AC HD5 w/Angle Blade | $3850 |
| Letourneau pull pan | $1600 |
| JD 350 6-way angle Blade | $9000 |

**CRAWLER LOADERS**

| | |
|---|---|
| AC HD 7G B w/cab & ripper sharp! | $17,500 |
| IH 175 4 in 1 bucket, clean | $12 500 |
| JD 450 Sharp | $12 000 |
| JD 450 w/ROPS, good | $12 000 |
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| Cat 955H 60A | $10,000 |
| IH 150 4-in-1 bucket clean | $9000 |
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| IH T340 Dsl 4-in1 Bucket w/ripper | $7000 |
| AC HD5 w/ripper | $5600 |
| AC HD5, Needs Work | $3000 |
| AC HD5 | $5200 |

**SKID STEER LOADERS**

| | |
|---|---|
| JD 24 | $4800 |

**GRADERS**

| | |
|---|---|
| Huber Wargo Dsl w/Cab | $5000 |
| Galion 118 Dsl w/cab | $6500 |

**WHEEL LOADERS**

| | |
|---|---|
| AC TL14 Dsl excell | $11,500 |
| AC TL16 Diesel | $7500 |
| Hough 50, gas 4x4 | $5000 |

**TRAILERS**

| | |
|---|---|
| 1979 CMI Folding Hydr Gooseneck | $29,500 |
| 9 Ton Tag-Along | $1400 |
| 25 Ton Gooseneck, Tandem axle, excellent | $5400 |
| 38' Cattle Trailer | $1250 |
| Approx 1½ Ton Tandem Axle Tilt Trailer w/winch | $1200 |
| 4 Horse Imperial Deluxe | $2800 |
| 1 Ton Roller Trailer | $800 |
| New Trailers - All sizes and prices Call | |

**TRUCKS**

| | |
|---|---|
| 1975 Dodge ¾ ton 4x4 | $2500 |
| 1975 Ford T/Axle Dump | $18,500 |
| 1973 Ford T/Axle Alum Dump | $17,500 |
| 1969 Ford Tandem Axle Dsl Dump | $9800 |
| 1965 Int Dump | $2850 |
| 1956 White 18' bed | $1800 |
| 1967 GMC ¾ ton w/utility box | $800 |
| 1970 Chevy w/20' bed | $2500 |
| 1975 Plymouth Fury 6 cyl | $1500 |
| 1973 Buick Riviera | $2500 |
| 1965 Ford ¾ Ton | $450 |
| Int Tandem Axle Dump | $4250 |

**AIR COMPRESSORS**

| | |
|---|---|
| Ingersol Rand 175 Dsl | $5500 |
| Ingersol Rand 175 Dsl Good | $5500 |
| Chicago Pneumatic 125, O H | $3000 |
| Ingersoll Rand 85 | $2450 |
| Joy 100 | $1500 |

**ROLLERS**

| | |
|---|---|
| Fordlane Paver ex cond | $3100 |
| 3 Ton Tandem | $2000 |
| 1 Ton Roller | $2000 |

**MISCELLANEOUS**

| | |
|---|---|
| MF 180 | $5250 |
| MF 35 Diesel 4 cylinder sharp | $3500 |
| JD 730 Diesel w/Loader | $3400 |
| Ford Corn Planter 2 Row 3 pt Ex | $450 |
| 14' Dump Box | $1600 |
| 5 ft Rotary Cutter | $465 |
| Pavement Breaker | $350 |
| 3 pt Landscape Box | $300 |
| Assorted Loader Buckets | |
| 6 ft Angle Scraper Blade 3 pt | $175 |
| 16 h p Bolens Riding Tractor w/mower excellent | $1850 |
| Myers Snow Plows Electric/Hydraulic/Angle | $1000 |

FARM EQUIPMENT

FARM EQUIPMENT

# Dollar Dividend Days

| | our price | dividend |
|---|---|---|
| NH 310 Baler w/long tongue, hitch and jack, flotation tires | $4400 | $250 |
| NH 70 Bale Thrower for 310 Baler | $1400 | $ 70 |
| NY 256 Rake w/Hitch, Jack and Dynatines | $1700 | $ 70 |
| NH 474 Haybine | $5575 | $200 |
| NH 488 Haybine | $5450 | $250 |
| NH 489 Haybine | $6550 | $250 |
| NH 451 Mower | $1535 | $ 70 |
| NH #8 Crop Carrier w/ 234 wagon, flotation tires | $5500 | $200 |

**FREE FINANCE ON THE FOLLOWING EQUIPMENT**

| | |
|---|---|
| NH 28 Blower | $1900 |
| NH 782 Forage Harvester 540 RPM | $6350 |
| NH 822 2R 38" Crop Unit | $2300 |

**USED EQUIPMENT**

| | |
|---|---|
| NH 1495 Haybine w/full cab | $14,000 |
| NH 495 Haybine | $3500 |

SPERRY NEW HOLLAND

## I.G. SALES

Silverdale, Pa. 18962 215-257-5135

FARM EQUIPMENT

FARM EQUIPMENT

NEW LEADER Lime & Fertilizer Spreaders

HI-WAY Cinder Spreaders - All Types

FRINK & VALK Snow Plows

## ANVILLE BODY CO.

P.O. Box 217, R.D #3
Annville, Pa. 17003
Phone 717-867-4631

MF Massey Ferguson

FIELD QUEEN FORAGE HARVESTERS

**GOOD USED EQUIPMENT**

| Tractors | Hay |
|---|---|
| MF 175 diesel | MF 12 baler w/thrower |
| MF 285 | JD 336 baler w/thrower |
| MF 275 diesel w/cab | MF 37 rake |
| MF 1080 diesel | NH 256 rake |
| MF 1150 w/cab | NH 479 haybine |
| MF 1150 w/duals | Hesston PT7 |
| MF 65, gas | Hesston PT10 |
| Farmall 450 Diesel | Hesston 1014 - 10' |
| MF 203 diesel backhoe | Hesston SP420 |
| MF 210 diesel, 25 h.p. | Hesston SP6600 |
| **Skid Steer Loaders** | **Tillage** |
| Gehl HL 2600 | 9' PT chisel plow |
| Gehl HL 3030 | Moore no till drill |
| Owatonna 1700 w/grapple | **Spreaders** |
| **Combines** | NI 206 like new |
| JD 55 diesel, cab, 3 row | Starline 180 bu |
| JD 45 cab, 2 row | Hawk Bilt 180 bu. |
| IH 615 cab, 3 row | Hawk Bilt 150 bu |
| MF 300, cab, 3-row | **Miscellaneous** |
| | Kelly 300 loader |
| | JD 37 loader |
| | NI loader |

**SPECIAL OF THE MONTH**
**MF 275 diesel, M.P.**

**Longenecker's, Inc.**
At Clappertown
Williamsburg, PA
814-793-3731

FARM EQUIPMENT

JOHN DEERE

**USED EQUIPMENT**

**Tractors**

JD 3020
JD 4430

**Corn Planters**

JD 1240 4-row
JD 1440 4-row
JD 7000 4-row, like new

## NEUHAUS'ES INC.

John Deere
R.D #2, Exit 3 I-83
York, Pa 17403
717 428-1954

MasterCard VISA PACE

FARM EQUIPMENT

FARM EQUIPMENT

## USED TRACTORS

| | |
|---|---|
| Farmall cub (nice) | $1800 |
| D19 gas, wide front | $3650 |

## USED EQUIPMENT

| | |
|---|---|
| NH 273 baler | $2350 |
| Demo NH 258 rake | $1395 |
| NH 268 Baler | $1850 |
| Brillion Cultipacker Seeder | $650 |

## NEW EQUIPMENT

MC rotary scythe & choppers
Pittsburg spring harrows
Farm Bilt wagons 6, 8 & 10 ton
Wisconsin engines from 6 to 65 h p
VM diesel engines from 14 to 150 h p

WISCONSIN VM Diesel

SALES & SERVICE

## MILLER'S REPAIR

RD 1 Bird-in-Hand, PA 717-656-9013

NEW IDEA FARM EQUIPMENT · OMC · SUNFLOWER · ECHO · LELY · RHINO by Athens & Servis · Badger · BUSH HOG · WALSH · FOX · BRADY

## TRACTORS

| | |
|---|---|
| IHC 154 Cub Low Boy w/Mower | IHC 606 Diesel |
| IHC Cub Cadet Tractors w/Equipment all Horsepowers | IHC 656 Diesel |
| IH Cub Low-Boy w/mower, plow, disc and cultivator | IHC 706 Diesel |
| Farmall Super C w/Wood Saw and Cultivators | IHC 756 Dsl. |
| Farmall M | IHC 1256 Diesel |
| Farmall F300 | IHC 1466 Diesel |
| IHC 330 Utility | JD 1520 Gas |
| IHC 460 Tractor | JD 2510 Diesel |
| IHC 544 Dsl. Hydro | Ford 801 Diesel |
| | Ford 850 Gas |
| | David Brown 995 Diesel |
| | Minn. Moline 5 Star Gas |

## USED EQUIPMENT

| | |
|---|---|
| OMC 1700 Dsl. Skid Loader | NI 731 4R Wide Uni Corn Head |
| IHC 311 3x14 2 pt. Plow | NI 734 3R Wide Uni Corn Head |
| IHC 450 3x16 3 pt. Plow | NI 711 Uni Platform |
| Oliver 4x16 3 pt. Plow | IHC 234 Mtd. Corn Picker |
| IHC Sub Soiler 2 pt. | NI 232 1R Corn Picker |
| IHC 350 10' Wheel Disc | NI 324 2R Corn Picker |
| IHC 9A 8' Disc | NI 6A 2R Corn Picker |
| JD KBA 10' Wheel Disc | Oliver 17 Pull Type Combine 7' |
| Case 7' Disc | IH 205 Combine |
| IHC #10 16x7 Grain Drill, like new | IHC 1150 Grinder Mixer |
| IHC 510 18x7 Grain Drill, like new | Hesston 1400 gal Liquid Manure Tank |
| JD FBB 15x7 Grain Drill, like new | NI 214 200 bu Spreader |
| JD 1240 4R Plateless Corn Planter | NI 213 170 bu. Spreader |
| IH 400 no-till Corn Planter | NI 212 145 bu. Spreader |
| IH 56 2R Corn Planter | NH 331 140 bu Spreader |
| IHC 58 6R Corn Planter | Badger 160 160 bu. spreader |
| IHC 46 Baler | IHC 580 10 ton Tandem Axle Spreader |
| IHC 47 Baler w/thrower | Homemade 2200 gal. Liq. Manure Tank |
| JD 24T Baler w/thrower | Clay 800 gal. Vacuum Tank |
| MF 12 Baler w/thrower | Grove 16' Forage Box |
| NH 269 Baler w/thrower | Coby 4000 Forage Box |
| Gehl 1500 Big Roll Baler | Gehl 14' Forage Box |
| Hesston Hay Stacker 3 ton | Lamco 14' Forage Box |
| Fox 3000 Forage Harvester | Dion 16' 3 btm., roof, 12 ton Tandem Axle Fg Box |
| IHC 650 Forage Harvester | Brady 512 Feeder Wagon |
| JD 34 Forage Harvester | IHC 2000 Loader |
| JD 35 Forage Harvester | IHC 2250 Mount-A-Matic Loader |
| IHC 350 Forage Harvester | NI 503 Loader |
| IHC 225 Windrower 10' | IHC 56 Blower |
| Hesston 1014 Hydra. Swing Windrower | JD 65 Blower |
| OMC 217 9' Windrower | Kools 60" Blower |
| Gehl 440 9' Windrower | NY #27 Blower |
| NI 270 Cut/ditioner 7' | NH 30' Elevator |
| NH 479 Haybine 9' | Hanson 300 gal. Sprayer |
| NH 404 Hay Crusher | Century 200 gal Sprayer |
| Gehl 72 Flail Chopper | Century 500 gal Sprayer |
| Brady 608 Flail Chopper | Walsh 500 gal Sprayer |
| Bearcat 72A Flail Chopper | 5 H P Electric Motor |
| IHC 1000 Sickle Bar Mower | JD 8' Fertilizer Spreader |
| NI 702 Gas Uni | 50'9" Silo Pipe w/Elbow |
| NI 710 Uni Combine | IHC Cub Cadets w/mowers |
| NI 726 Uni Husking Bed | |
| NI 729A Corn Sheller | |
| NI 738 4R Narrow Uni Corn Head | |

**JOHN DEERE 35 FORAGE HARVESTER WITH 2 ROW NARROW HEAD**
**Cut 40 Acres**

2% Cash And Carry Discount on All Parts

The Place to Buy New & Used Equipment

## CHAMBERSBURG FARM SERVICE, INC.

975 S. Main St., Chambersburg, PA
Phone: 717-264-3533

SPERRY NEW HOLLAND

OUR POLICY ON MACHINERY, PARTS & SERVICE
• QUALITY FIRST • AT A FAIR PRICE

ALLIS-CHALMERS

# YEAR-END CLEARANCE ON GOOD USED EQUIPMENT

**USED EQUIPMENT**

McConnell forage Wagon, 3 Beater, w/Roof
Case 995 S P Windrower w/10 Ft Head
N H 273 Baler w/Engine
(2) N H 273 Balers w/54A throwers
N H 320 Baler w/thrower, 1 year old
N H 275 Baler w/Thrower
N H 272 Baler w/Engine
N H 275 Baler w/Engine
AC 160 Utility Tractor
Farmall M Tractor w/steel wheels
AC 80-S Mower
Several Other Good Used Spreaders
N H 26 Hopper Blower
(2) N H 479 Haybines
N H 1469 Haybine
(2) N H 489 Haybines (Excellent Condition)
N H 850 Round Baler, A 1 condition
AC 2315 Fold-up Disc Harrow
Hydra-Max 12C Skid Loader
I H 3200 Skid Loader
N H L 35 Skid Loader
10½' Brillion Transport Harrow
Winpower 20,000 Generator like new
N H Self Propelled 1895 Harvester w/4 row head
A C E330 Corn head excellent condition
NH 256 Rake
NH 56 Rake

**SPERRY NEW HOLLAND DOLLAR DIVIDEND DAYS**
Act Now! We have some really good deals on Hay Tools.

## WAIVER OF FINANCE

★ Forage Equipment w/Hay Heads till June 1, 1981 w/Cornhead till August 1, 1981
★ Hay Tools till June 1, 1981

AUTHORIZED SPERRY NEW HOLLAND PARTS and SERVICE

STARLINE

**CALL OUR FRIENDLY SALESMAN BOB GANTZ**
717 397-5179 or 687-6002 Or
Call His Home 653 5020 anytime

SALES & SERVICE PARTS & EQUIPMENT

## L. H. BRUBAKER, INC.

350 Strasburg Pike, Lancaster, PA
Phone 717-397-5179

master charge VISA PACE

Your authorized SPERRY NEW HOLLAND dealer

**SALE**

**DIAPHRAM PUMPS**

Pumps sandy water, Industrial and Farm Waste - Ideal for Hog Manure
Also
USED GORMAN-RUPP solids handling pump with engine, trailer optional

**EECO, INC.**
4021 N 6th St
Harrisburg 17112
717 238 9423

**FARM EQUIPMENT**

**USED EQUIPMENT**

IH 4125 (Demo) Skid Loader $3750
IH 550 Semi Mtd. 4x16 Plow
IH 4B Auto Semi Mtd Plow

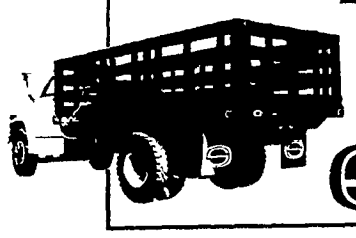
COPE & WEAVER CO.
New Providence
717-786-7351

Massey Ferguson
Model 750 Combine

★ 6 row corn head
★ 14' grain table

**FOR SALE OR WILL TRADE FOR HOLSTEIN HEIFERS**

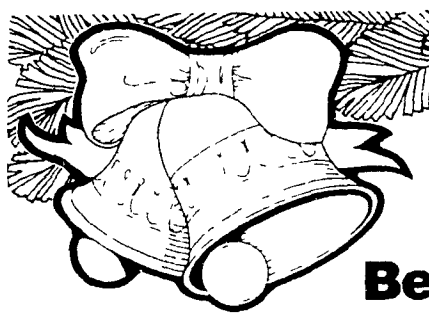
215-347-1792
215-347-2346
Cooper Morris



**Tough, Dependable City Stake Bodies**

Omaha Standard

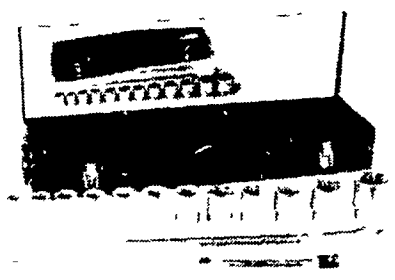
**FARMERSVILLE EQUIPMENT INC.** Ph. 717-354-4271



**PARTS VALUE OF THE MONTH**

**Christmas Bell Ringer Sale!**

*The most wanted gift*



**Save 42%**

**IH 15-Piece ¾" drive socket set**

Finest quality Lifetime replacement warranty—if a tool breaks in normal use return it for free replacement Includes 12 sockets ⅞ to 1⅞ 8 extension 24 reversible ratchet sturdy metal box 999 478 R1

Regular* $175 00 — **SPECIAL $99.95** Savings $75 05

**24 PIECE 3/8" DRIVE SOCKET SET**
Save $10.05 Special **$24.95**

**26 PC. 1/4" & 3/8" DRIVE SOCKET SET**
Save $10.05
Special **$19.95**

**14 PIECE 1/2" DRIVE SOCKET SET**
Save $10.05
Special **$19.95**

**25' EXTENSION CORD**
Save 17% **$4.95**

**LEVER ACTION GREASE GUN**
Save 20% **$5.59**

**12' POWER LOCK TAPE**
Save 39% **$5.95**

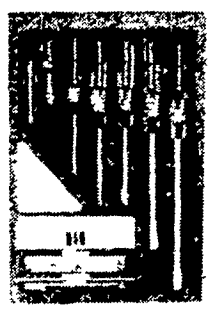
**Save 44%**

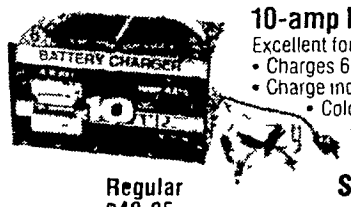
**7-Piece screwdriver set**

4 6 and 8 round blade screwdrivers No 1 and No 2 Phillips plus a stubby screwdriver and pocket screwdriver
999 355 R1

Regular* $19 65 — **SPECIAL $10.99** Savings $8 66

Total individual piece price






**10-amp battery charger**

Excellent for home and farm
- Charges 6 and 12 volt batteries
- Charge indicator dial
- Color coded clamps
- Part number 407 389 R92

Regular $48 95 — **SPECIAL $34.95** Savings $14 00

**Additional Values On**
- Stereo Radios
- Fire Extinguishers
- Economy Creeper

And Many Other Items... Shop & Save Now!

NEW International

**Early Riser Planters**

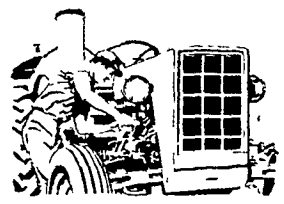
**FASTER, EARLIER PLANTING— EARLY RISING CROPS.**

The First Production Of The Early Riser Planters Has Arrived! See Them On Display Now We Are Taking Orders Now For 1981 Planters!

Introducing the International Early Riser Planters the planters for the 80's Early Riser Planters are designed to work through the toughest terrain To let you plow less plant sooner Faster too — with simple hand adjustments that get you going in minutes No tools And the Early Riser Planters provide the best possible seed environment to start your crops out right

Choose from four to twelve row Early Riser sizes Cyclo Air or Plate models The Early Riser Planters

**DECEMBER SERVICE SPECIAL**



**10% DISCOUNT**
**ON ALL IH PARTS INSTALLED BY OUR SERVICE DEPARTMENT**
**PLUS**
**FREE TRUCKING ON ALL SERVICE JOBS THAT TOTAL $1,000.00 or MORE**

**CALL DELMAR STAUFFER AT 717-933-4138 FOR AN APPOINTMENT**
**FINANCE PLANS ARE AVAILABLE.**

Please Call Now While You And We Both Have The Time To Prepare Your Equipment Properly For Next Season.

INTERNATIONAL AGRICULTURAL EQUIPMENT
**CERTIFIED SERVICE**
This dealership's service department has qualified as an IH certified service center International Harvester Company

**END OF YEAR TRACTOR SPECIAL PRICE!**

- Demonstrator I 3588 2+2 4 Wheel Drive
- Waiver of Finance to March 1, 1981

# USED EQUIPMENT

**Pickers**
IH 234
IH 2 ME
NI Super Sheller Attachment For 2 Row Pull Picker
NI 2-Row Mounted

**Forage Equipment**
IH 16 Harvester w/2 Heads
IH 720 Harvester
IH 650 Harvester w/2 heads
IH 550 Harvester w/2 Heads
IH 50 w/PTO Drive
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD Flail Chopper
AC 780 Harvester
Fox 546 Harvester
NH 717
NH 770 FH w Cornhead
Gehl FB 82 Blower
IH 42 Blower
Kools Blower

**Plows**
Cub Fast Hitch Plow
IH 311 mtd
IH 550 5 Bottom
3F Trailing Plow
Fast Hitch 2 way
Ford 5F 18
JD 3 Furrow 16 Plow

**Compact Skid Loaders**
IH 4125
Case 1537
Hydra Mac
Bobcat 610

**Tractors**
Farmall M
IH F450 D
IH Hydro 84 D
F 504 Gas
AC D15 w Loader
Ford 3000
IH TD8 Crawler
I544 Gas Hydro w Loader
F 1256 D
Satoh 650 G

**Combines**
IH 91
IH 127
IH 403
IH 810 15' Grain Head
IH 227 Corn Head
IH 743 Corn Head
IH 843 Corn Head
IH 429 Corn Head on 403
MH 26
JD 45

**Hay Machines**
IH 47 w/thrower
IH 37 w/thrower
IH 241 Baler
IH 440 Baler w Thrower
IH 10 Bale Thrower
IH Fast Hitch Mower
IH 115 Mower
IH 33 Hay Cond
M C Rotary Scythe
Woods 306 Mower
Kubota 60" Mower
AC 303 Baler
Myers Hay Crusher
NH 66 Baler w/Engine
NH 469 Haybine
IH 46 Baler
MF 128T Baler
NI Mower

**Tillage**
Howard S T 180 Rotovator
Dunham 15 Cultimulcher
JD KBA Disc
Lely Power Harrow
Niemeyer 80 Power Harrow
IH 350 Disk, 12 ft
Chattanooga 11 ft Packer

**Planters & Drills**
IH 56 4 Row
IH 455 Planter
IH 449 Planter
Oliver 4 Row
MF 4 Row
JD 290 2 Row Planter
Dearborn 13x7 Drill
Oliver Grain Drill
Ontario Drill

**Miscellaneous**
MF 7 HP Tractor w Mower
Snow Blowers For Cadets
Sauder Loader
Tri Axle 10 Ton Trailer
IH 125 Cadet and Mower
NI Lime Spreader
IH 1000 Cab Cadet w Mower
IH 175 Spreader
IH 550 Spreader
New Idea 214 Spreader
Little Giant Roll A Way Elevator

**YOUR COMPLETE IH FARM EQUIPMENT DEALER**

**SWOPE & BASHORE, INC.**

R.D. 1, MYERSTOWN, PA
Located 1 Mile S. of Int. 78 & 6 Miles N. of Myerstown
On Rt. 645 in Frystown
PHONE: 717-933-4138

INTERNATIONAL AGRICULTURAL EQUIPMENT

**PARTS DEPT. HOURS**
Mon.-Fri. 7 AM to 5 PM
Sat. til 11:30 AM
• UPS SERVICE AVAILABLE

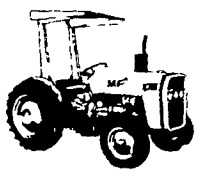
FARM EQUIPMENT | FARM EQUIPMENT

## THESE PRICES GOOD ONLY TILL DEC. 31

| | Was | Now |
|---|---|---|
| NH bale thrower | | $ 250 |
| NH 268 baler | $1650 | 1450 |
| NH 273 baler | 2350 | 2250 |
| NH 258 rake, demo | 1395 | 1350 |
| NI rollo bar rake | 800 | 750 |
| Hesston PT7 Windrower | 1350 | 1150 |
| NH 467 haybine, nice | 1550 | 1400 |
| NI PTO manure spreader | 475 | 400 |
| NI fertilizer spreader | 300 | 270 |
| (New) Hesston 1070 windrower | | 3800 |
| (New) Hesston 1901 windrower | | 5550 |
| (New) Hesston 7140 forage harvester w/hyd sharpener | | 5900 |
| (New) MC 7' rotary scythe | | 3500 |
| (New) 60G 5' cut MC chopper | | 1700 |
| NH 455 trailer mower | | 695 |
| JD rotary mower | 600 | 525 |
| Grimm hay tedder ground drive | 850 | 750 |
| NI cut conditioner, like new, cut 30 acres | | 2600 |
| 2 930 case tractors, std , (pulley available) | | each 3850 |
| AC D19 tractor | | 3400 |
| Cub w/mower, plow and cultivator, nice | | 2350 |
| Oliver 70 tractor | | 400 |

**MILLER'S REPAIR**
Bird-in-Hand, PA
717-656-9013

FARM EQUIPMENT | FARM EQUIPMENT



MF Massey Ferguson

## TRACTORS & EQUIPMENT

JD 950 Tractor & Loader
IH #154 Cub Low Boy Tractor w/Mower
Farmall H Tractor
IH 454 Dsl Tractor
MF 204 Tractor w/Loader
IH Cub Tractor w/Mower
MF 50 Tractor w/Cab & Loader
MF 35 Tractor
(3) NH 36 Crop Chopper
NH 270 Baler w/thrower
NH 269 Baler w/thrower
MF 128 Baler
MF 750 Combine w/Grain Table and 63C Cornhead
MH 35 Combine
IH 915 Combine
Lilliston 76" Rotary Cutter
Brillion LGS 144 Pulverizer
Brillion 12 field cultivator
NH 519 Manure Spreader
NH 510 Manure Spreader
(2) IH #14 Rakes
JD #35 Forage Harvester

## NEW M.F. EQUIPMENT

(2) MF 2705 Tractor
MF 255 Diesel Tractor
MF 245 Gas Tractor
MF 230 Diesel Tractor
MF 220 Tractor
MF 210 Dsl Tractor
MF 205 Diesel Tractor
MF 50C Tractor and loader
MF 40B Tractor w/loader & cab w/Instant Reverse Transmission
MF 30B IR Tractor w/cab and loader
MF 20C Tractor w/Cab & Loader
MF 30B M S Tractor w/Loader
MF 124 Baler
MF 468 Planter
MF 110 Spreader
MF 22 Bale Thrower
MF #43 3B Plow
MF 520 Disc Harrow
MF 226 Scraper Blade
MF 227 Scraper Blade
(2) MF 33 17 Run Drill
MF 218 Rotary Cutter

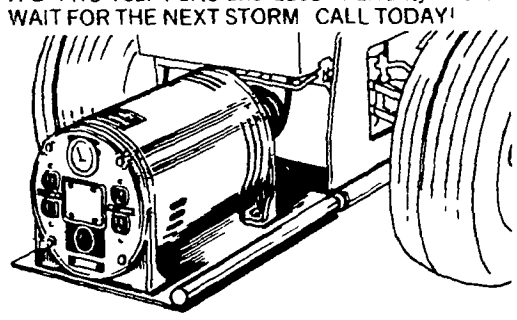
**S.G. LEWIS & SON, INC.**
R.D. 2 Box 66 West Grove, PA
215-869-2214

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

PINCOR ®

Did you know your lawn & garden tractor can protect your home against electrical failures? Full one year warranty Dependable 2000 through 7500 WATTS Plus a complete line of engine driven portable alternators with automatic fuel saving device

PTO models range from 8½ to 75 KW Longlife 1800 RPM all copper wound Brushless on the A C Five Year Parts and Labor warranty DON'T WAIT FOR THE NEXT STORM CALL TODAY!



**Special Coupon Worth $100 to few thousand dollars on Pincor Alternators.**
**Save this coupon or give to a friend. Expires Dec. 31, 1980**
**ZIMMERMAN'S EQUIPMENT**
**East Earl, Pa. 17519**
**215-445-5309**

Dealer Inquiries Invited
**ZIMMERMAN'S EQUIPMENT**
RD 1 East Earl, Box 391 17519
215-445-5309

## FOR SALE

Today you can buy at 1 year old prices and 25% off list before Jan. price increase of about 8%

- P&D Silo Unloaders
- Pincor Stand-By Alternators w/5 yr parts and labor warranty
- Electric Motors to 5,000 H P
- Berg new Forage barn cleaner chain $8 77 per ft. lasts longer and split chute are 10 year warranty some are 20 years
- Steel Roofing and Siding Hot-Dip ½ zinc ½ aluminum gives twice the life with 20 yr warranty to 40' cut to the inch, delivered, $37 95

## SPECIAL SALE - One Time Only Primary Tillage Offset Disks

• Used Only As Demonstrators • Manufactured By Miller Mfg.

### SERIES I

| Quantity | Cutting Width | Cutout Blade | Frame | List | Sale |
|---|---|---|---|---|---|
| (1) | 10' w/Standard Scrapers | 1/4"x24" | Rigid | $8,553 | $6,600 |
| (1) | 15' w/Standard Scrapers | 1/4"x24" | Rigid | $11,147 | $8,400 |
| (1) | 18' w/Standard Scrapers | 1/4"x24" | 2 section fold | $16,262 | $12,600 |

### SERIES II

| Quantity | Cutting Width | Cutout Blade | Frame | List | Sale |
|---|---|---|---|---|---|
| (1) | 13½' w/Standard Scrapers | 5/16"x26" | Rigid | $12,376 | $10,200 |
| (1) | 20' w/Standard Scrapers | 5/16"x26" | 2 section fold | $21,498 | $14,400 |
| (1) | 26½' w/Standard Scrapers | 5/16"x26" | 3 section fold | $29,306 | $24,600 |

### SERIES III - Extra Heavy Duty

| Quantity | Cutting Width | Cutout Blade | Frame | List | Sale |
|---|---|---|---|---|---|
| (1) | 14½' w/self-adjust scrapers | 3/8"x32" | rigid | $22,790 | $19,200 |

CALL US FOR SAVINGS UP TO $2,500

Dollar Dividend Days
FORAGE & BALERS HAYTOOLS & COMBINES

**FREE FINANCE**

- NEW & USED BOX SPREADERS & GRINDER-MIXERS TILL 4/1/81
- USED FORAGE EQUIPMENT: TILL 8/1/81 ON CORN ATTACHMENTS AND TILL 6/1/81 ON HAY ATTACHMENTS
- USED HAYTOOLS TILL 6/1/81
- USED BALERS TILL 6/1/81

Your authorized SPERRY NEW HOLLAND dealer

**ABC GROFF, INC.**
OUR TRUCKS ARE RADIO CONTROLLED
Since 1890

STORE HOURS
Mon Tues , Wed 7-5
Thurs Fri 7-9
Sat 7-4

110 S Railroad Ave
New Holland PA 17557

Parts 717 354-4191
Sales 717-354-4731
Service 717-354 8004

master charge VISA

**OPEN THURSDAY & FRIDAY TILL 9 PM**

## M & R EQUIPMENT, INC.

New Park, PA
4 mi. E. of Stewartstown, PA
Ph: 717-993-2511
Red Lion, York, Brogue, Loganville - Ph 246-1972 Residence 301-452-8693 after 6 P.M.

1086 131 4 PTO hp

986 105 6 PTO hp

**TILLAGE SALE**
**PRICES WILL NEVER BE LOWER!**

720 4 x 18" plow, auto reset - $5700
720 5 x 18" plow, auto. reset - $6100
720 5 x 20" plow, auto. reset - $6250
475 wing disc 17' 5", 22" blades - $6600
510 3 x 16" plow, semi mtd. - $2600

**WAIVER OF FINANCE UNTIL 3-1-81**

**LOOKING FOR A NEW TRACTOR?? CALL US, WE WANT TO MOVE OUT SOME INVENTORY!**

For Instance: IH 584-row fully equipped, including 16.1 GPM pump, aux. valve, 1 set wts., telescoping links, fresh factory model w/all recent changes.

LIST - $16,078 SALE PRICE - $11,900

**AN AMAZING DEAL!**
With Waiver Of Finance Till 3-1-81

**SPECIAL HAY & FORAGE**
IH 425 Baler w/trailer hitch - $4800

WAIVER OF FINANCE NOW AVAILABLE ON
TILLAGE 3-1-81
PLANTERS - 4 1-81
HAY EQ 5-1-81
FORAGE 8-1-81
LOADERS,
GRINDER MIXERS - 3 1-81
TRACTORS - 3-1-81
COMBINES - 9-1-81
Includes both new & used machines or take a rebate on new machines if you choose not to waiver Example - 830 Forage Harvester If waiver is not taken you get $1000 rebate when sold w/corn head

IH 815 COMBINE, DIESEL HYDRO, RECENT OVER-HAUL, 844 CORN HEAD. NICE
WAIVER UNITL 9-1-81

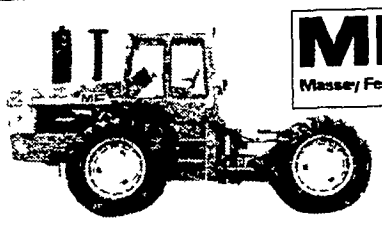
**—PARTS SPECIAL—**
**IH 462314R1 MOLDBOARD**
**Reg. $71.60**
**NOW $53.73**

**USED EQUIPMENT**

470 wing disc 17 5'
IH 4130 skid loader
#10 New Idea picker, nice
JD 150 dump wagon
JD 14 rotary mower
IH 56 blower nice
Many Used Disc Harrows
401 spring tooth harrow, like new
JD 2510 gas w/loader
AC D17 w/loader, nice
Super C w/cultivators
IH 2400A tractor w/6 way blade, ideal for snow removal

FARM EQUIPMENT

FARM EQUIPMENT



MF Massey Ferguson

**NEW EQUIPMENT IN STOCK**
**MASSEY FERGUSON**

154 4 diesel tractor
184 4 diesel tractor
205 4 diesel tractor
245 8 sp diesel tractor
255 8 sp diesel tractor
255 MP diesel multipower tractor
265 MP diesel multipower tractor
265 8 sp diesel tractor
2745 MP diesel tractor row crop w/cab
2805 diesel tractor multipower row crop, cab
13 & 15' tables & reels
1144 corn head
640 4 row planter
124 balers w/throwers
129 chisel plows
227 snow blades
520 discs 880 plows
Glenco soil saver 7 shank
Vicon rakes fertilizer spreaders & mower condi tioners
McConnell harrows
Larson 5 ton fertilizer spreader
Full line of Equipment Available

**CUSTOMER REBATES & WAIVER OF FINANCE CHARGES ON NEW EQUIPMENT ONLY TILL JANUARY 30, 1981**

**AG TRACTORS**
Compacts $150
30 99 hp $350
2000 series $1000
4000 series $2500

**COMBINES**
500 series $1000
700 series $2000

**CORN HEADS**
$100 to $500

FREE FINANCE ON ELIGIBLE USED MASSEY EQUIPMENT

**USED EQUIPMENT**

MF 285 diesel tractor 8 sp
MF 2805 diesel trac tor 350 hrs 1 yr warranty
MF T030 tractor
IH 350 tractor
JD A gas tractor
MF 410 combine w/43 corn head
MF 540 combine diesel
MF 750 diesel combine 3 yrs old w new gra n table
MF 760 diesel combine w/16 heads
Bobcat Melrose 700 skid loader
NH balers
NH mower conditioners
NH L 225 skid loader
Case 1160 combine w/13 grain table

**ERTL MASSEY FERGUSON TOYS**

## ABRACZINSKA'S
**Farm Equipment, Inc.**
RD 1, Catawissa, PA
717-356-2323
(south on Rt. 42)

FARM EQUIPMENT

## WISCONSIN HEAVY DUTY ENGINES

## YEAR END SALE
**20 to 40% Discount**
**On 50 Engines In Stock**
Wisconsin, Wisc.-Robin & Briggs & Stratton

**EXTRA SPECIAL**

| | |
|---|---|
| AENLD 9 hp w/cl. red. | $885 |
| VH4D 30 hp w/cl.-red. (Crank start) | $1550 |
| VH4D 30 hp w/el -red. (electric start) | $1795 |
| B&S 10 hp cast-iron | $325 |

**WISC. - ROBIN**

| | |
|---|---|
| EY18-3W 4.6 hp | $245 |
| EY25W 6.5 hp | 290 |
| EY27W 7.5 hp | 305 |
| EY27W w/Reduction | 390 |
| EY27W w/Clutch | 595 |
| EY27W Electric Start | 450 |
| EY44W 10.5 hp | 498 |

**WISC.**

| | |
|---|---|
| VH4D for Bobcat | $1465 |
| VH4D for Mustang | 1815 |
| VH4D for Case | 1550 |
| VH4D for N H. | 1435 |
| VH4D for IHC | 1575 |
| VG4D for Case, Mustang, J.D & N.H. | 2050 |
| VH4D for N.H. Haybine | 1975 |
| VH4D w/clutch - reduction | 2300 |
| V465D 65 hp w/cl. - reduction | 2975 |

"December Only" This offer will not be extended after December 31, 1980

## FISHER ENGINE SERVICE
3141 Old Phila. Pike, Bird-in-Hand, PA 17505
Phone 717-768-3729

FARM EQUIPMENT

**USED IH TRACTORS**

F300G $2400
1974 140G $1800
1971 140G $4400
284 G w/ldr $7000
444 G $4000
454G $5500
464G $6200
544 G Hydro $5500
674D $8400
656G $5500
656D hydro $7250
1568 D w/AC Cab $18,750
Oliver S77 $950
Oliver 88 $1400
AC 7040 w/AC cab $15,700
Yanmar 155D $3800

## BIGGS, INC.
Rising Sun, MD
301-658-5531

## FORRESTER FARMS
1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service
LONG

New Long 6 SOLD
New Long 360
New Long 310
2 Ford 9000
Ford 8700
Ford 8600
2 Ford 8000
4 Ford 5000
Ford 4500 backhoe
Ford 5 BTM 10 SOLD
2 Ford 4000, 1 w/loader
4 Ford 3000
Ford 2000
Ford 2 btm 101 plow
Ford F100 Pickup 73
Ford Jubilee
Ford 8N
JD & Ford weights
Roadless 95 4WD
Int 666
Int 656
Int 574 1w/hydro
Int 544 $3400
Heat Houser for 656
JD 4230
Used JD 4020 cabs
5 JD 4020
JD 4000
JD 312C SOLD
6 JD 2120, 1 w/145 loader
2 JD 2030 1
3 JD 2020
Used JD cabs for 1020, 2020 2030
5 JD 1120
MF 16 SOLD

¼ Mile East of Exit 6 I-81

## Ag-Industrial Equip. Co.

ALLIS-CHALMERS · SPERRY NEW HOLLAND · KUBOTA · NEW IDEA · Brillion · Gehl · Vicon

**HAY EQUIPMENT**
(2) NH 320 w/thrower
NH 283 w/thrower
NH 282 w/thrower
(2) NH 273 w/thrower
NH 310 w/thrower
NH 269 w/motor
NH 479 & 495 Haybines
IH 5000 Windrower SP
(2) NI 279 cut/di tioners
(2) ~~(3)~~ NH 1010 Bale Wagon
NH 1034 Bale Wagon
JD 200 Stacker
JD Stack Mover
(3) Used Rakes

**TILLAGE EQUIPMENT**
14½ Fold Offset Disc

**PLANTERS**
AC 600 no till 6R
AC 600 no till 4R
AC no til 4R liquid
JD no till plate

**TRACTORS**
AC 7040 cab PS
AC 7000 w/cab
AC 210 w/cab
AC 200 D w/cab
AC 160 Dsl
JD 3010 Dsl

**AC LAWN TRACTORS**
$100 above invoice buy now and save!

**SPREADERS**
NH 518
NH 365 368 tank

**HARVESTERS**
NH 890, any heads available Ex Cond
NH 1890 SP Hydro C A H Ex Cond
(2) NH 1880 SP Hydro

**SKID STEER LOADERS**
Case 1740 Dsl, new engine
Case 1530 New engine
NH 425 rental
(1) ~~(2)~~ NH L 775
(1) NH L 35
NH L 775 Dsl

**COMBINES**
NH 995 late head 15 grain 4 or 6 row
Gleaner F 13 grain 4RW
Gleaner G Die 2 heads

**MISCELLANEOUS**
JD 116 A Flail Chop per
NH Hydrostatic Drive Trencher
JD Flail Mower

**SPECIAL**
**NEW IDEA 116**
**SPIN SPREADER**
List price $1250
SALE PRICE $700

Large Parts Inventory and Modern Shop Facilities with Factory trained Specialist to Serve You Better.

Sales Department Call
Ed Greenleaf Chuck Huester
Bob Carroll Terry Greenleaf
Service Call Peck Ramsay
Telegraph Road, Rt. 273 Rising Sun, Md.
301-658-5568 301-398-6132
215-869-3542
Immediate Financing
Hours Mon thru Fri. 8 to 8 Sat 8 to 4
CLOSED SUNDAY

## AUKER ENA EQUIPMENT AUKER ENA EQUIPMENT

JOHN DEERE — *Nothing runs like a Deere*

**THIS WEEK'S SPECIALS**

**NEW MACHINERY**

| | |
|---|---|
| JD 1610 Chisel, 11' Drawn | $3200 |
| JD Power till Seeder | $6000 |
| JD 45 Plow, 3-16 | $1400 |
| JD 1250 Plow, 3-16 | $1650 |
| JD 1250 Plow. 3-16 | $2300 |
| JD 78 Blade | $ 495 |

NO TRADE

**USED MACHINERY**

| TRACTORS | WAS | SALE |
|---|---|---|
| JD 4020 PS | $12000 | $10500 |
| JD 4010 | 7700 | 7000 |
| JD 730 diesel | 4800 | 4000 |
| JD 60 | 1600 | 1450 |
| JD 60 PS | 1900 | 1675 |
| JD MT w/plows & Culti | 1800 | 1450 |
| JD MT w/loader | 1800 | 1250 |
| JD B | 975 | 800 |
| JD B | 1100 | 975 |
| MH 33 | 1650 | 1200 |
| MF 65 | 3500 | 2500 |
| IHC BN w/culti | 1675 | 1475 |

| BALERS | | |
|---|---|---|
| JD 336 baler w/30 ejector | 4600 | 4200 |
| JD 24T baler w/ 2 ejector | 1475 | 1000 |
| JD 24T baler w/ 2 ejector | 1700 | 1000 |
| JD 14T baler w/ 2 ejector | 1495 | 875 |
| JD 14T baler w/ 1 ejector | 650 | 595 |
| JD 410 round baler w/ preserv SOLD applicator | 6500 | 6000 |
| IHC 27 baler w/ thrower | 875 | 550 |

| BLADES | | |
|---|---|---|
| JD 7 blade for 48 loader | 275 | 200 |
| Myers blade | 300 | 200 |
| Wood blade | 75 | 50 |

| BLOWERS | | |
|---|---|---|
| Papec | 475 | 375 |
| Gehl | 475 | 375 |

| HARROWS | | |
|---|---|---|
| 2 JD harrows SOLD | 75 | 125 |
| JD harrow | 225 | 175 |
| Brillion 16 Transport | 875 | 675 |

| POST HOLE DIGGERS | | |
|---|---|---|
| JD 31 | 475 | 400 |

| CORN PLANTERS | | |
|---|---|---|
| JD 494A planter w/ insecticide | 1600 | 1295 |
| JD 494A | 900 | 700 |
| AC no till 6 RN | 3500 | 2800 |
| IH 455 | 1675 | 1250 |

| COMBINES | | |
|---|---|---|
| JD 45 | 4000 | 2500 |
| JD 6620 side hill 1979 | 540( SOLD | 0000 |

| CHOPPERS | | |
|---|---|---|
| NH 33 chopper | 700 | 550 |

| CORN PICKERS | WAS | SALE |
|---|---|---|
| JD 101 picker | 500 | 150 Parts |
| JD 227 picke SOLD | 50 | 100 |

| CULTIVATORS | | |
|---|---|---|
| JD field cultivator | 850 | 650 |
| JD RM 4R | 1200 | 850 |

| DRILLS | | |
|---|---|---|
| JD FB B 13x7 | 2000 | 1500 |
| JD FB 13x7 | 600 | 475 as is |
| JD FB 13x7 | 350 | 175 |

| HARVESTERS | | |
|---|---|---|
| JD 38 w/2R RC | 2000 | 1500 |
| JD 35 harvester | 2700 | 2300 |
| Fox flail attach | 1300 | 500 |

| ROW CROP HEADS | | |
|---|---|---|
| JD 2 row wide | 950 | 750 |
| JD 2 RN | 600 | 500 |
| JD 1R | 600 | 450 |
| JD 244 corn head | 2400 | 2000 |
| JD 1 row ear corn unit | 1775 | 1500 |

| RAKES | | |
|---|---|---|
| JD rake | 350 | 300 |
| JD 640 rake | 1200 | 1000 |

| MOWERS & MOWER CONDITIONERS | | |
|---|---|---|
| JD 9 mower | 300 | 250 |
| NH 1469 SP haybine | 4000 | 3000 |
| Owatonna 700 SP | 3500 | 2500 |
| IHC hay con SOLD | 150 | 50 |

| PLOWS | | |
|---|---|---|
| JD 350 5 16 | 2800 | 2400 |
| JD 145 plow 4 16 | 1600 | 1300 |
| JD 125 plow 4 16 | 1000 | 900 |
| Ford 142 1 48 | 1875 | 1500 |
| IHC 720 Plow 5 20 | 4000 | 3500 |

| SPREADERS | | |
|---|---|---|
| NH tank | 450 | 250 |
| Starline tank | 600 | 450 |
| NH 327 | 650 | 550 |
| JD L&M | 400 | 350 |

| WAGONS | | |
|---|---|---|
| Snoco grain | 600 | 350 |

NO TRADE

JOHN DEERE

**AUKER-ENA EQUIPMENT, INC.**
Oakland Mills, PA 17067
717-463-3511 436-2235

AUKER ENA EQUIPMENT AUKER ENA EQUIPMENT

LONG

# WENGER'S INC.

LONG

SOUTH RACE STREET
MYERSTOWN, PA 17067

DAYS:
717-866-2135

PHONE:
NIGHTS:
717-866-7147

OR:
717-273-9089

## CONSIGNMENT AUCTION
**MONDAY, DEC. 15**
9:30 A.M.

## NEW YORK STORE PUBLIC AUCTION
**SATURDAY, DEC. 27**
10:00 A.M.
See Ad On Page D29

Large Selection Of
## ERTL TOYS
**(SOME COLLECTORS TOYS)**
**WE TRADE OLD TOYS**

**VERY REASONABLE PRICES—DEALERS WELCOME—**
**(ALL DIESEL WIDEFRONT UNLESS SPECIFIED OTHERWISE)**

**FARMALL**
766 - Rollbar 1975 . . . . . $9750
Super C . . . $1450
1066 - White Cab - Air . . . . . $11,500
2404 w/Sickle Mower -Gas - P.S. - Nice . . . . . $6000
Cub - Hyd - Yellow & White . . . . . $2450
Hydro 70 - 1975 . . . . . $9500
856 . . . . . $9250
826 hydro - nice . . . . . $8250
706 . . . . . $5250
656 - Hydro $6750
100 Hydro - Cab - New Paint - New Tires - 1973 - . . . . . $10,000

**OLIVER**
(2) 1755's CHOICE . . $6900
1850 w/Duals . . . $5250
1950 GM - Rollbar . . . $6950
White - 4-150 w/Cab Duals . . . $15,000
2655 - 4WD - 3 pt PTO - New Paint . . . $10,500
1850 - 4WD - Diesel - New Paint . . . . . $7500
Oliver 1855 $6750

**JOHN DEERE**
4430 - Cab - Air - Quad - Good . . . $17,500
1520 - Rollbar - Very Nice - Late Model . . . . $7500
2020 - Gas - PS . . . . . $5500
830 - Cab - 2 Cyl Standard - New Paint . . . . . $3500
(2) 820 - 2 Cyl Standards . . $2900 & $3300
3020 . . . . . $6000
4020 PS - Console . . . $9750
4320 - New Tires - New Paint . . . . . $11,500
301 w/Loader - 3 pt PTO . . . . $5750
5020 . . . . . $8250
4020 Powershift. $8500

**FORD**
4000 - Try - Selectospeed . . . . . $3250
9600 - DP - New Tires . . . . . $9800
5200 . . . . . $5850
5200 w/cab $7500

**CASE**
(2) 1030CK $5950
930 CK . . . $5950

**LONG**
310 - New . $5900
(2) 560 - New Paint - Low Hours Nice . . . . . $5500
560DT - New . . . . . $8500
560DT - Spider . . . . $4900
610DT - New - . . . . . $11,900
(2) 510 Crawlers - New . . . . $10,900
310C - New $6750
310 DT - New . . . . . $7950

**MF**
265 - 1975. $7750
1155 - New Paint - 1974 . . . . . $9500
1085 w/Cab - 1973 . . . . $8750
1105 -w/duals - - 1973 . . . . $8750
1150 - New Paint . . . . . $7500

**ALLIS CHALMERS**
185 w/Cab - $8500
D21 - Series 2 . . . $6950
160 - Nice . $4500
200 Nice . . $8500

**FORKLIFTS**
Ford 30' Diesel $12,500
JD 2010 $5950
Int 340 $4950
Yale 3000 Lb $3950

**CHISEL PLOWS**
Athens 13' pull $1475
Kewanne 9' pull new $1475
Athens 10' 3 pt new $1375
Glenco 9' Soilsaver $3400
(3) JD 3 pt vibra shank w/wings From $795

**(6) CULTIPACKERS & MULCHERS - Call**
**(10) USED LOADERS - Call**
**(10) COMBINES CALL LOTS OF DUALS (NEW & USED)**

**CRAWLERS**
JD 450 6 way dozer $10,000
Cat 941 loader $17,500
(2) Cat 933 loader $6750
Cat 933 Swamp loader $7750

**(4) BLOWERS - Call**

**BACKHOES**
Long 3 pt Hoe-new $4500
Long 5 in 1 w/cab & crane $17,500
(2) JD 310 $9500 & $10,500
Ware Hoe Attach $2750
Ford 4500 (1972) $6750

**(5) SPREADERS - Call**

**DISC'S**
Int 32 wheel . $1600
Int 36 wheel . $1600
(2) Int 40 wheel $1600
Int 44 wheel $1800
Int 36 w/wings $3900
Int 36 w/wings $4500
Int 44 w/wings $4500
JD 32 w/wings $3900
JD 28 wheel $1400
JD 36 wheel $1600
White 36 w/wings $3900
(3) Long Offsets $4000
Hutchmaster Offset $4500
Wilbeck Offset $4500
Bush Hog w/wings new $6700
Int 1 Point FH $395

**(3) BALERS - Call**
**(15) NEW & USED CABS - CALL**
**(10) CORNPICKERS & SHELLERS**

**(8) CORNPLANTERS - Call**

**SKIDDERS**
Franklin 160B . $8750
Franklin 133B Pack N-Back $7750
JD 440B 1972 $9750

**CARS & PICKUPS**
1980 Buick Regal Limited
1980 Buick Regal Coupe
1980 Olds Cutlass Supreme Brougham (Diesel)
1980 Chevy LUV - 4WD Pickup
(3) 1980 Chevy Silverado Diesel Pickups
1977 Chrysler Cordoba
1964 Chevy Impala Convertible
1967 Ford Shelby GT500 - 4 Speed
1978 Lincoln Versailles (Needs Body Work)
1977 Cadillac Coupe Deville
1975 Jeep 4WD Pickup

**PLOWS**
AC 2X Rollover - SC $300
(6) AC IX $50
(2) JD IX $150
White 6x18 reset $5000
(14) Int IX From $50
(2) Int 4x16 semi reset $3250
(2) Int 5x16 Reset $3250
(3) MH pony IX $125
Int 4x semi $650
IH 4x18 semi-reset . $3500
(2) JD 4x16 pull $595
JD 3x16 pull-trip $495
JD 4x16 semi mtd . $1150
(2) JD 5x16 semi mtd $1350
Case 4x16 semi mtd $1150
AC 4x semi mtd $850
JD 5x16 Pull $975
JD 5x semi mtd $1350
(2) JD 4X pull - 14 $400

**(4) SPRING TOOTH HARROWS - Call**

**MISC. CONSTRUCTION**
JD 350 Winch $300
Int TD9 Winch $500
Davis DH5 trencher New Diesel $14,500
JD 420 winch $600
New winch $1000
(6) Sweeper attach From $95
(40) Used hoe buckets From $150
(25) Loader buckets From $95
New landscape boxes From $425
(4) Set forklift forks . From $195
Sheepsfoot Roller $1750
Cat D2 Winch $650
JD 1010 Winch $250
JD 24 Skid Steer Loader - nice $4500
Air Compressor (Garage Type) Like New 5 HP $1750
4 Cyl Detroit Diesel Powerunit $3250

**ROLLBACKS**
1979 Int 2500 Tandem 290 Cummings 1110 Trans- Double P S. New Jerr-Dan 26' Rollback Built Super Heavy $48,500
1975 Int 2050- Tandem-Cat 225 Diesel 10 speed R.R.-New 26' Jerr Dan Rollback Heavy Duty $23,750

**DUMPS - CONSTRUCTION**
1974 Ford Louisville Single Axle New 9' Dump Body 225 Cat Diesel Very Nice $14,750
1974 Int 2050 Single Axle New 9' Dump Body 225 Cat Diesel Very Nice $14,750

**DUMPS - FARM**
1974 Ford Louisville Single Axle New 18' Omaha Dump w/Cattle Racks 225 Cat Diesel $16,750
(2) 16' Steel Dump Bodies - Complete - Used Less Than 1 Year Excellent $4500

**TRAILERS**
1969 Great Dane 35 ton detachable $13,750
1977 Delta 44' drop deck w/beaver tail $9,750
8 ton Lowboy w/ beaver tail $2950
New HD10 2½ ton . $1800
(3) New HSE14 4 ton From $1450
New HSM14 6 ton $2100
New HSL14 6 ton $2450
(5) New HTR16 8 ton . From $3250
New HTRB18 18 ton $5875
Wolverine 30' Gooseneck
TRL - 12 Ton - Ramps Like New $6500

**(25) CULTIVATORS - Call**
**(100) HARVESTER & HEADS - Call**

**MISC. MACHINERY**
NI cut ditioner $1775
NH 479 haybine $3500
NH 258 rake new $1950
Lely 10' roterra $1450
(6) Snow plows From $195
New 300 gal pull sprayer $1000
Hesston 10 stacker $3500
Hesston 10W mower $750
10' Waldon blade $3000
JD 2X potato digger $1495
(5) Int side dresser attach From $125
Int 13 drill $2000
MM E Sheller $1850
NI Cutditioner $1150
Bush Hog 14 Mower $1750
2x Potato Planter $375
2x Potato Digger $350
Mc Rake $95
NI Rake on Rubber $195
3 Pt Scraper Blade $160
3 Pt P T O Woodsaw Demo $825

**TRACTORS - MECHANICS SPECIALS - (ALL RUN)**
(2) Case 930 Diesel Standards - Need Engine Overhaul . $2400
David Brown 990 - Needs Engine Overhaul - 1974 (Late Model) $3250
Farmall 560 Diesel - Nice Clean Tractor Bad TA - Head Gasket . $3300
Farmall 560 Gas - Uses Oil - Looks Poor . . $2000
Farmall 460 Gas - Bad TA - WF . . $2000
Farmall 856 w/Cab - Needs Engine Overhaul 1969 - Good Options $6800
(3) Farmall 450 - Gas & Diesel - Need General Work. . $1500 to $2000
Farmall 400 - Gas - Needs General Work . $1500
MF 1130 Diesel - New Paint - Everything Works Except Hydraulics $6500
JD 70 Diesel w/3 Pt - Needs Starter $1750
JD 720 Diesel - Needs General Work . $1750
(3) JD 730 Gas & Diesel - All Widefront Need General Work - From . $2000
JD 4020 Diesel - Needs Transmission work . . . $5800
Ford 8N - Needs General Work $1250
Ford NAA - Needs General Work $1750
Farmall 230 - Fast Hitch - Needs General Work $1275
Ford 6000 Diesel - Needs General Work . $1900
Ford 800 Diesel - Needs Tires & Paint . . . . $2200
Oliver 770 Diesel - Condition Unknown . $1500
AC WD - Cracked Block $750
MM GTB - Diesel - Needs Paint . $1350
Ford 8000 - Needs Paint & Minor Work. $5700
Case 930CK - Needs Paint & Minor Work $3900
(3) Farmall 806 - High Clear - Poor Condition $4000
AC 180 - Bad 10th Gear $4500
(2) Ford 9N - Fair $1000
MF 85 Diesel - Good $2250
Farmall 560D - Single Front Wheel - Transmission Noise . $2500
Farmall MD - $700 Just Spent On It $1500
Oliver 1800 4WD
Farmall 340
JD 70 Gas
IH 656 D - Hydro - Hi-Utility
MF 65 Utility
Farmall M

WE WILL CONSIDER SELLING OFF MAJOR ITEMS LIKE ENGINES - TRANSMISSIONS - ETC FROM MOST OF THE ABOVE TRACTORS

**TRUCK TRACTORS (All Diesel)**
1970 Dia Reo conv screw $9500
1969 Dia Reo Sleeper screw $3800
1968 F Mack Sleeper screw $2800
1976 Ford 700 Louisville single $13,000
(2) 1974 Ford Louisville single $10,500

**LARGE SELECTION OF NEW IDEA UNI SYSTEMS & ATTACHMENTS - CALL**

**WE PURCHASED A SPECIAL DEAL ON 1000 TARPS (Various Sizes Up to 10'x20') OUR PRICES ARE GOOD - REAL GOOD**

**NEW SPECIALS GOOD PRICES**
**(Dealers Call For Good Wholesale Prices)**
210 Bu (Small Grain) Gravity Bins $450
3 Pt - PTO - Woodsaws $875
3 Pt Boom Poles $60
4 - 5'6' - 6' - 7' Landscape boxes $425 - $450 - $475 $500
6' 3 Pt Blades $165
7' 3 Pt Blades $245 - $475
8' 3 Pt Blades $495
1200 Bushel Speedy Corn Cribs $795
12 Post Hole Diggers $395
3 Pt 6 6 Disc's . $495 - $525
1x Plow - 3 Pt $295
2x 3 Pt Plow . $395
5 Ton Wagon - 6 Lug . $395
8 Ton Wagon - Wide Rims & Adj Tongue . $550
10 Ton Wagon - Wide Rims Adj Tongue $595
3 Pt Disc - Cat 0" $295
3 Pt 1x Cult - Cat 0" $95
3 Pt 1x Cult - Cat 1' $150 $175

**SPECIAL:**
**NEW SUITCASE WTS.**
FOR IH - 75 LBS.
Limited Supply
**$35.00** each

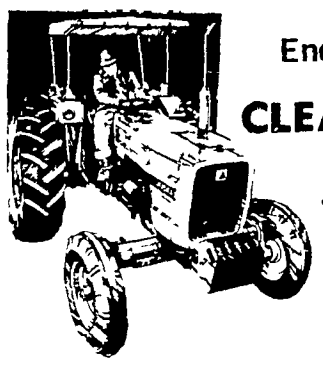
**100 COMBINE CORN HEADS IN STOCK**

**SUPER GOOD DEALS ON NEW LONG TRACTORS & EQUIPMENT. WE CANNOT BE BEAT. LIMITED TIME ONLY CALL NOW!**

**NEW & USED TIRE CHAINS ALL SIZES**

**ON STOCK: 800 USED TRACTORS IN OUR SALVAGE YARD FOR PARTS —**
Best Selection Anywhere

**WANTED: USED TRACTORS FOR PARTS**



End-Of-Year

# CLEARANCE

• Prices Good Til Dec 31 F O B Shartlesville Pa

**AC 5050 TRACTOR..... $10,000**
• 225 Hours Repossessed

**NEW TRACTORS - SPECIAL PRICES!**

**AC 5030 TRACTOR ..... $4995**
• 26 HP

**AC 5050 TRACTOR..... $12,500**
• 51 HP 16 9x28 tires & canopy

**AC 175 TRACTOR..... $13,950**
• 18 4x28 Tires Front & Rear Weights Breakaway Couplers

**AC 7010 PS TRACTOR ..... $26,900**
• 106 HP Cab & Air 20 8x38 Tires Front Weights 540 1,000 PTO

**AC 7010 TRACTOR..... $24,900**
• 106 HP, PD No Cab Front & Rear Weights 540 1 000 PTO 20 Speed Trans

**AC 7020 PS TRACTOR ..... $30,900**
• 123 HP Cab & Air 20 8x38 Tires Front & Rear Weights 540 1 000 PTO

**AC 7045 PS TRACTOR ..... $26,500**
• Demo Cab 146 HP, 20 8x38 Tires Front & Rear Weights Stadium Lights 540 1 000 PTO

**AC 7060 PS TRACTOR ..... $36,700**
• Cab Air 161 HP 20 8x38 Tires Front & Rear Weights Stadium Lights 540 1 000 PTO

**USED AC 7040 PS TRACTOR .. $18,900**
• Cab Air 20 8x38 Tires Front & Rear Weights

**NEW TILLAGE EQUIPMENT - SPECIALS!**

**F-17 AMCO DISK HARROW .... $4850**
• With 13 6 Cut

**AC 2600 DISK HARROW..... $6995**
• Center Fold 16 8' Cut

**AC 1600 MTD. CHISEL PLOW ... $1450**
• 8 Foot

**AC 1600 MTD. CHISEL PLOW ... $1750**
• 10 Foot

**AC 333 NO TILL CORN PLANTER..... $6995**
• 4 Row, 78 Air Units No Till Coulters Insect Attach Granular Fertilizer

**USED MANURE SPREADERS**

NI 218 Spreader with Hyd End Gate and Upper Beater 318 Bu
NI 224 Spreader with Single Beater 360 Bu
NI 214 Spreader with Flail Beater 205 Bu
NI 214 Spreader with 3 Beater and Hyd End Gate 197 Bu
NI 214 Spreader with Single Beater and Hyd End Gate, 205 Bu
Hawk Bilt 207 Tank Spreader 200 Bu

**USED MISCELLANEOUS EQUIPMENT**

6 Row AC No Till Planter With 72 Units Grain Fert , and No Till Coulters
4 Row Int 400 Cyclo Planter with Grain Fert and Insecticide
702 Uni Tractor with 727 Husker and 723 Corn head
726 Uni Husker
729 Uni Sheller
600 Gehl Harvester With 2 Row Wide Head and Pickup
38 JD Harvester with 2 Row Wide Head and Pickup
770 NH Harvester with 2 Row Wide Head and Pickup
325 NI Corn Picker Narrow Row with 12 Roll Husking Bed
324 NI Corn Picker Wide Row With 8 Roll Husk ing Bed
319 NI Mounted Picker with 12 Roll Husking Bed
74H Oliver Corn Picker
800 Gehl High Throw Recutter
NI 279 Cutditioner 9 Ft
Int Model 100 3 Pt Sickle Bar Mower

NEW IDEA FARM EQUIPMENT

ALLIS CHALMERS

**ITCO**

Dealer for ITCO Corp
• Over 9,000 items At Discount Prices

**SHARTLESVILLE FARM SERVICE**
RD1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop

FARM EQUIPMENT

1034 Bale Wagon
1010 Bale Wagon
213 Spreader
208 Spreader
JD 1209 Haybine
Hesston 500 SP Haybine
(2) Taylorway Disc 10'5"
(1) Taylorway Disc
760 Chopper head 2-row
3200 IH Skid Loader
York Blade
Bush Hog Blade
NH Corn Head 1-row 770 new
438 Corn Head less att
238 NH Tam Gear 12 ton w/11Lx15 tires
1469 Haybine
L Combine, 2 heads 438-15'
425 NH Loader-Husker
479 Haybine
Myer Snow Plow
Volk Snow Plow
990 9' IH Haybine, 1 steel, 1 rubber, pull type
PT10 Hesston
Gehl 600 Chopper 3 heads 2-30, 2-38 pickup
IH 555 Chopper 38" head, 2 heads
469 Haybine
717 Chopper 1-row

**GRUMELLI FARM SERVICE**
Quarryville
Phone
717-786-7318

ALLIS CHALMERS

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

# KEEP YOUR MILK FRESH AS A WINTER'S MORNING!

## MUELLER BULK MILK COOLERS . . . THE ONE FOR ALL SEASONS.

For More Information, Contact your Mueller Dealer

# SULT'S REFRIGERATION SERVICE

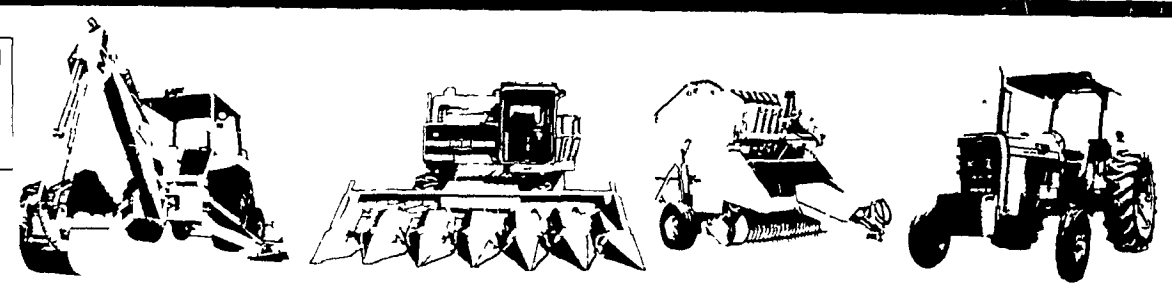
OFF RT. 340, 1 MILE EAST OF INTERCOURSE ON HATVILLE RD., RD 1, GORDONVILLE, PA 17529

★ **24 HOUR SERVICE**
★ **PH: 717-768-8555**

Clip This Coupon And Mail To
**SULT'S REFRIGERATION SERVICE**
RD 1, Gordonville, PA 17529
( ) Send More Info
( ) Have Representative Call

NAME _____
ADDRESS _____
CITY _____
STATE _____ ZIP _____
PHONE _____

**MF** Massey Ferguson



# INVENTORY REDUCTION SALE OF NEW & USED EQUIPMENT*

## NEW & DEMO TILLAGE

| | Today's List Price | Special Price |
|---|---|---|
| MF 43 3 14 Plow | 1 575 00 | 1 260 00 |
| MF 43 2 14 Plow | 1 333 00 | 1 060 00 |
| MF 620 12 Disc Harrow | 4 790 00 | 4 000 00 |
| Thrifty 1 Row 3 pt Cultivator | | 95 00 |
| Dunham 8 tooth Chisel Plow | 1 882 50 | 1 575 00 |
| Dunham 11 Cultipacker | 1 192 00 | 1 080 00 |
| Dunham 4 row 38 Cultivator | 1 500 60 | 1 350 00 |
| Pittsburg 2 row Cultivator | 520 00 | 470 00 |
| MF 730 10 offset Harrow | 6 211 60 | |
| Yetters 15 Rotary Hoe | | 1 850 00 |

## USED TILLAGE

| | Special Price |
|---|---|
| MF 82 3 16 Plow | $1 150 00 |
| Brady 9 tooth Chisel Plow | 1 150 00 |
| MF 129 Chisel Plow w/Disc 9 tooth Pull Type | 2 400 00 |
| Brillion 10 Tooth Chisel Plow | 1 200 00 |
| JD 4R Rr Mtd Cultv | 450 00 |

## USED TRACTORS

| | Special Price |
|---|---|
| MF 230 Gas | 5,750 00 |
| MF 65 Gas | 2,400 00 |
| IH 504 Dsl | 2,800 |
| MF 35 Dsl w/loader | 2 500 |
| NF 175 Diesel | 5,500 00 |
| MF 1135 Diesel | 9,000 00 |
| IH 107 Cadet | 1,100 00 |
| MF 220 (Demo) | 6,000 00 |
| MF 245 Diesel (Demo) | 8,600 00 |
| MF 2805 24 sp Duals | 28,500 00 |
| MF 1155 8 sp No Cab | 11,000 00 |
| Farmall M | 1,000 00 |
| Farmall M Diesel | 1,500 00 |
| Case 1370 cab 1480 nrs | 15,500 00 |

## NEW COMBINES & HEADERS

| | Today's List Price | Special Price |
|---|---|---|
| MF 24 2 row Corn Head | 4198 25 | 2 250 00 |
| 13 18 Grain Tables | | |

## USED COMBINES & HEADERS

| | Special Price |
|---|---|
| MF 760 6 cyl 4 sp w/Grain Table | 25,500 00 |
| MF 750 Hydro | 26,000 00 |
| MF 750 4 sp Cab w/14 Grain Table & 63 C H | 28,000 00 |
| (2) MF 510 Diesel Cab & Grain Head | 12,500 00 |
| JD 4400 Gas Cab 13 Grain Head 4 30 Corn Head | 17,000 00 |
| IH 315 gas Cab 12 Grain Head 2 38 Corn Head | 9 000 00 |
| MF 410 Diesel Cab w Grain Head | 11,000 00 |
| MF 300 gas Cab 13 Head 2 row C H | 9,000 00 |
| MF 63 offset Corn Head 6 30 | 2,100 00 |
| MF 63 Centered C H 6 30 | 3,000 00 |
| MF 44 Corn Head 4 38 | 3,500 00 |
| MF 80 12 Engine overhauled | 1,600 00 |
| MF 82 12 Combine | 900 00 |
| IH 141 12 Combine | 2 200 00 |
| NI 319 Corn Sheller 2R Mtd | Call |
| NI 2 Row Pull Type Corn Picker | 3 500 |

## NEW & DEMO HAY &FORAGE

| | Today's List Price | Special Price |
|---|---|---|
| EZ Forage Box 16 12T gear | 5 969 00 | 4,200 00 |
| MF 925 9' Haybine | 6,760 00 | 5,400 00 |
| Farmhand Corn Processor Demo | 5 200 00 | 4,000 00 |
| Hyd Trough for above | 1 015 00 | 900 00 |
| MF 29 3 pt Hay Rake | 888 00 | 800 00 |
| Farmhand 7 Wheel Rake | 1 995 00 | 1,775 00 |
| Fella PTO Tedder & Rake 3 pt | | 1,500 00 |
| Farmhand 3 pt finger Wheel Rake | 720 00 | 650 00 |
| MF 114 Forage Box 3 Beater & Roof | 3 653 00 | 2,750 00 |
| EZ 1074 gear 12 5 L tires for above | 1 165 00 | 1,050 00 |
| MF 200 Forage Harvester w/1 Row Corn | 7 170 75 | 4,400 00 |
| Neimeyer Hay Tedder | 1 590 00 | 1,400 00 |

## USED HAY & FORAGE

| | Special Price |
|---|---|
| MF Forage Wagon 10 ton gear | $1 600 00 |
| MF 560 Round Baler | 4 700 00 |
| MF 375 Bar Hay Rake | 1 400 00 |
| AC Hay pickup attm | 125 00 |
| Farmhand 14 Forage Box | 1 900 00 |
| Badger Forage Blower | 375 00 |

## MISCELLANEOUS

| | Special Price |
|---|---|
| York 7 Scraper Blade | $250 00 |
| York 6 Scraper Blade | 230 00 |
| York 8 5 hp Scraper Blade | 465 00 |
| York 8 75 hp Scraper Blade | 740 00 |
| Brady 141A Flail Spreader | 3 400 00 |
| MF 205 Spreader | 2 900 00 |
| MF 86 12T Tandem gear less tires | 1 150 00 |
| Wagon Rims 8 x15 6 Bolt | 25 00 |

| | Today's List Price | Special Price |
|---|---|---|
| 81 Diesel Skid Steer Loader | 13 328 00 | 9400 00 |
| 71C Gas Skid Steer Loader | 11 993 00 | 8400 00 |

*Sale Applies Only to Items In Stock.

# M.M. WEAVER & SONS, INC.

**LEOLA, PENNA. 17540 PHONE: 717-656-2321**

Located 4 miles west of New Holland on Route 23, one and one-half mile northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church

FARM EQUIPMENT | FARM EQUIPMENT

## USED TRACTORS

JD 3020
JD 2020 w/ Loader
JD M w/Loader
Ford 8N
Case 530 D w/ Loader
Farmall 200
Farmall 460 with Plow

## USED EQUIPMENT

JD 216 Forage Wagon
Fox Forage Harvester with 3 Row Cornhead
New Idea 705 uni-system with 3 row 30" head, and hay pickup

★ **SPECIAL...SET OF JD 4240 - 18.4x38 DUALS!**

**SHOTZBERGER'S EQUIPMENT**
Elm, Pa
Phone 717-665-2141

**KING**
King Horse & Livestock Trailers!

FARM EQUIPMENT | FARM EQUIPMENT

PUMPS MOTORS HOSES FITTINGS VALVES CYLINDERS

## HYDRAULIC & AIR SUPPLIES

**10% OFF** on complete Inventory
DECEMBER 15 - 31

Used 5 HP. Ingersoll Rand air compressors
Rebuilt **$495.00**

Ask about our 12 volt automatic ventilation controls for Hog and Chicken Houses at prices you can afford.

6 - 9-12 GPM Bosch gear pumps. Ideal for log splitters etc.
New **$75.00**

**BEILER HYDRA-MATICS**
Rd 3, New Holland, PA 17557
717-656-7273
Sales - Service - Installations

## NEW EQUIPMENT SPECIALS

We have extra special prices on the following skid loaders
NH L325, L445
NH L35, L775, L778
We Also Have Clearance Prices on All Box Spreaders.

**COMBINES**

MF 300 w/3R & 13' $7,500
MF 510 w/grain head $6,900
Oliver 525 w/3R & 10' $8,250.
AC E w/2R and 10' $7,500
JD 45 w/2R & 10' $4,900
NH 985 w/4R & 13' $17,500.

**SHEETS BROS.**
Massey Ferguson
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

## The Time Is Right... The Price Is Right!!

### New Equipment Special...

**NEW MODEL 791 NEW HOLLAND TRACTOR MANURE SPREADER**

540 RPM PTO Drive, 360 Bu. Box with Single Beater, Heavy Duty Apron Chain, Splash Guard, Hydraulic Fluid Manure End Gate, Tandem Rear Axle with Four 20"x8" Heavy Duty Wheels and Good Used 20" Truck Tires with New Tubes...

**$6195**

• Stop In or Call •

Sales & Service On.
• Ford • New Idea • New Holland •

**WALTER G. COALE, INC.**
2849-53 Churchville Rd.
Churchville, Maryland
Ph: (301) 734-7722 or (301) 879-1434

# MESSICK FARM EQUIPMENT

## TIME IS RUNNING OUT!

ONLY 14 BUYING DAYS LEFT TO TAKE ADVANTAGE OF YEAR END TAX INVESTMENT CREDIT PLUS WAIVER OF INTEREST or CASH BONUS

WE HAVE A GOOD INVENTORY OF NEW EQUIPMENT TO CHOOSE FROM

WE'RE $ HAVING

**Dollar Dividend Days**

FORAGE HAYTOOLS & BALERS & COMBINES

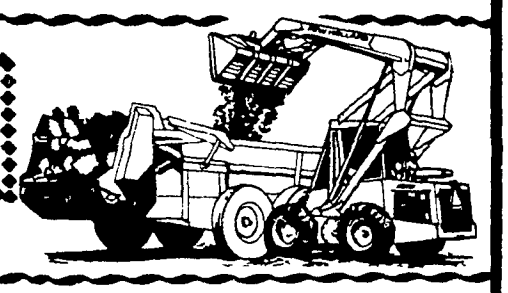
**FACTORY REBATES UP TO $2500**

**OUR BIG NEW HOLLAND 10 TON SPREADER**
Model 79
**THE STRONG-BOXES**
Built Extra Rugged For Extra Dependability.

**CHECK OUR SPECIALS ON SKID LOADERS**

SIX MODELS TO CHOOSE FROM:
22 HP to 62 HP, Gas or Diesel

**ONE DEMO MODEL**
Priced As Low As $7995
• Call For Details•



## GOOD USED EQUIPMENT IN STOCK - READY TO GO

IH 84 Hydro Tractor with 2000 loader
IH 856 D Tractor
IH 966 Tractor, excellent
IH 656 D Hyd tractor
Farmall Super C, fast hitch
Farmall Cub w/Mower
Ford 8N Tractor
Allis Chalmers B w/Snow Blade
MF 3 Bottom 3 pt Hitch Plow
IH 4 Row Fast Hitch Cultivator
NH 510 Spreader & Hyd Gate
NH 477 Haybine, 7 ft Cut
NI Tandem Axle Spreader w/Hyd End Gate, Ex Cond
NI 10 ft Lime Drill
NH 675 Spreader w/gate, tandem axle
IH 550 Harvester
John Deere 10 ft Transport Harrow
Walsh 300 Gal Trailer Sprayer
Int 1 Bottom Trailer Plow
Int 531 5 Bottom Plow
(Used) NH 2 Row Snapper Head
Oliver 3 Bottom 16" Plow
2 Used Myers Snow Blades to Fit Tractors or Trucks
NH 516 Spreader
Hesston PT-10 Mower Conditioner
Woods 84 Rotary Cutter

WAIVER OF FINANCE 6/1/81 ON USED HAY AND FORAGE
NH 1890 Self Propelled Harvester, 3 Row New Style Head, Pickup Attachment
NH 845 Round Baler w/Hyd tie
NH 276 Baler w/Thrower
NH 320 Baler w/Thrower
AC Model B Tractor
IH 37 Baler & Thrower
Oliver Baler Model 520
NH 479 Haybine
NH 1469 Self Propelled Haybine
NH 469 Haybine
IH 650 Harvester 2 Row & Pickup
JD 66 Blower
NH Super 717 Forage Harvester w/1 row or 2 row corn head

**MESSICK FARM EQUIPMENT, INC.**
RHEEMS EXIT - RT. 283 ELIZABETHTOWN, PA.
PHONE: 717-367-1319 — 653-8867
WARREN SPICKLER HOME 653-4560 RAYMOND MILLER — HOME 653-8762

NEW HOLLAND

★ YOUR FULL SERVICE DEALER ★

## C.J. WONSIDLER BROS.

ALLIS-CHALMERS AGRICULTURAL EQUIPMENT

**TRACTORS**

AC 7030 D w/cab, air & heat
AC 7030 D
AC 190 XT D
AC 175 D
AC 170 G
AC D19 D
(2) AC D17 G
AC WD45 G
AC WD G
JD 720
JD 60 w/2 row Picker
JD B
Farmall 460 D
Farmall 300
Ford 3000 G
MF 180 D
MF 50
Oliver 500 D
(3) Case 300
David Brown 1200 D
Satoh Elk 550 w/lo hrs

**COMBINES**

Gleaner All w/13 grain head & 2 row corn heads
Gleaner CII w/13 grain & 438 corn heads
NI Uni System 708 w/717 combine w/13 floating cutting bar 744W 4 row corn head only 217 hrs like new!!
JD 55 Corn Special w/cab 12 grain & 330 corn heads
JD 55 w grain & corn heads
JD 40 w/grain & corn heads
JD 45 w/grain & corn heads 1968
MF 82 w/grain & corn heads
NH 975 w/grain & corn heads
IH 203 w/grain & corn heads

**MANURE SPREADERS**

NH 218 275 Bushel
(2) NI 213, 176 Bushel
AC 281, 140 Bushel
Badger 175 Bushel
NH 675, 275 Bushel
NH 510, 163 Bushel
Hawk Bilt 255 Tank Spreader

**MISCELLANEOUS**

Hydra Mac 8 Skid Loader rebuilt w/bucket & manure fork
NI 506 Front end loader
Weaverline 224, 30 Bu rebuilt Electric Feed Cart w/automatic charger
Weaverline 121 24 Bu Electric Feed Cart
Agway 30 Bu Electric Cart only 3 years old
Uhbler 35 Bu Electric Cart
Moridge 400 Grain Dryer only 4 years old
Behlen 200 Grain Dryer w engine
JD 17 Disc Drill
McCormick 13 Disc Drill

***BIG FALL SALE on Mitey Mac 6C Skid Loaders, Lehman Little Dipper Skid Loaders, and Myers Snow Plows for tractors ONLY! "BUY NOW AND SAVE HUNDREDS OF DOLLARS!"***

AVCO NEW IDEA FARM EQUIPMENT

Trumbauersville to Finland Rd , Quakertown, PA
CALL (215) 536-1935, 536-7523
OR Rts 309 & 100, New Tripoli, PA (215) 767-7611

# case BINKLEY & HURST BROS. INC. Invites

## WEEK OF DEC. 15-20

# DISCOUNT CASH & CAR

HOURS: Daily 7 AM to 5 PM, Tues. & Fri till 9
Sat. till 11:30 A M

**LOCATION:**
**133 ROTHSVILLE STATION RD, LITITZ, PA**
**PH: 717-626-4705**

**FREE REFRESHMENTS ALL WEEK**

For
Do
Spec

**NEED A BREAK?**

**BUY A NEW CASE TRACTOR & GET A FREE TRIP FOR 2 TO TOUR THE J.I. CASE TRACTOR PLANT IN RACINE, WISCONSIN.** Offer Good This Week Only - No Trade In's.

**WE FINANCE - No Interest Till March 1, 1981**

For big workpower, super comfort— get a Case 2390

**NEW DEMO IN STOCK**

Equipped With The Following: 14Lx16.1 front tires and 20.8x38 rear tires, extra flood lights, ether cold start, serial # 8851100

1 Only At **$32,800**

With No Interest or Payments Till March 1, 1981 With Down Payment

**THIS UNIT IN STOCK**

Less rollbar with hydraulic remotes, 540 PTO, 16.9x30 rear tires, serial #11050166

1 Only At **$12,800**

With Waiver of Finance, No Interest Till March 1, 1981 with Downpayment.

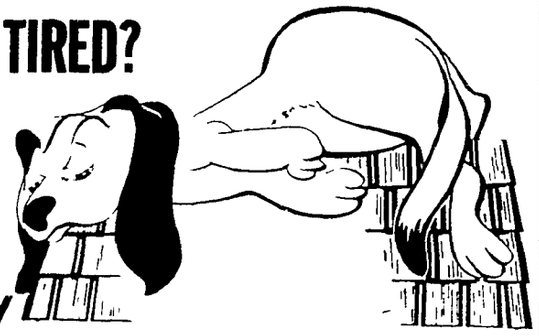
**★ OVER 25 TRACTORS IN STOCK AT DISCOUNT SAVINGS THAT YOU HAVE TO SEE TO BELIEVE! THIS WEEK ONLY! PLUS...A FREE TRIP TO THE J.I. CASE TRACTOR PLANT.**

## IS YOUR BATTERY GETTING TIRED?

Trade It In On A New

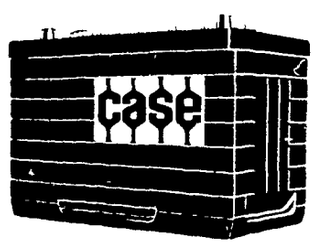
## HEAVY DUTY CASE BATTERY

**20% OFF With Old Battery**
**15% OFF Without Old Battery**



**CASH & CARRY**

★ Replace That Old Battery Now




| | BCI Group No. | Case Part No. | Cold Crank @ 0°F Amps | Overall Dimensions Inches Length | Width | Height |
|---|---|---|---|---|---|---|
| 6 Volt Reg. Serv | 1 | L16056* | 545 | 8 94 | 6 79 | 8 83 |
| | 2 | D44177* | 650 | 10 29 | 6 81 | 9 21 |
| | 2N | D44313* | 495 | 10 00 | 5 50 | 9 00 |
| | 4 | F53478* | 700 | 12 68 | 7 00 | 9 21 |
| 6 Volt HD | 7D | B17185** | 900 | 16 26 | 7 12 | 9 23 |
| 12 Volt Reg. Serv | 22F | B17177- | 300 | 9 50 | 6 82 | 7 50 |
| | 24 | T40362* | 370 | 10 26 | 6 79 | 8 76 |
| | 24 | F22631* | 290 | 10 26 | 6 79 | 8 76 |
| | 24 | B17180- | 250 | 10 29 | 6 82 | 8 92 |
| | 24F | B17179- | 315 | 10 75 | 6 82 | 8 92 |
| | 27H | A58559* | 500 | 11 73 | 6 79 | 9 15 |
| | 27H | D44175* | 435 | 11 73 | 6 79 | 9 62 |
| | 29NF | B17182- | 570 | 13 00 | 5 50 | 9 02 |
| 12 Volt Low Maint | 30H | A38411* | 570 | 13 50 | 6 81 | 9 21 |
| | 31 | A145205- | 600 | 13 10 | 7 12 | 9 75 |
| 12 Volt Heavy Duty | 4D (1) | L13308** | 800 | 20 75 | 8 75 | 9 82 |
| | 4D (1) | D44178** | 700 | 20 75 | 8 75 | 9 82 |
| | 4DLT | R38116 - | 750 | 19 94 | 8 18 | 7 89 |
| 12 Volt Lt Utility | U1 (2) | C10458* | 160 | 7 76 | 5 07 | 7 17 |
| | U1 (3) | B17186* | 175 | 7 76 | 5 07 | 7 17 |
| | U1 (2) | C18197* | 200 | 7 76 | 5 07 | 7 17 |
| 12N12A-4A-1 (4) | | C24350-** | N/A | 5 25 | 3 12 | 6 31 |

**BUY case MOTOR TRANS HYDRAULIC } OIL NOW!**

## 25% OFF Cash & Carry Discount

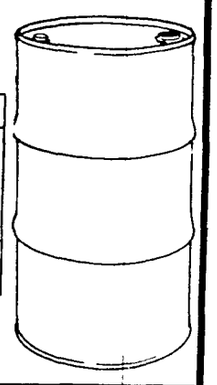
We Received A Truckload of Oil And Are Passing The Savings On To You

**HERE ARE OUR DISCOUNTED PRICES**

| Oil | 5 Gal. | 30 Gal. | 55 Gal. |
|---|---|---|---|
| MOTOR OIL | $20.88 | NA | $199.25 |
| CASE TFD | $21.19 | $129.75 | $212.00 |
| CASE TCH | $21.81 | $125.25 | $211.00 |

Oil By The Quart, Gallon, Bucket & Drum

DISCOUNT PRICES ON DISCOUNT DAYS ONLY



**10% CASH & CARRY DISCOUNT ON ALL CASE & GEHL PARTS**

**CHECKLIST YOUR SUPPLY OF THESE ITEMS PLUS ANY PARTS YOU MAY NEED TO SAVE UNDER OUR 10% DISCOUNT SAVINGS PROGRAM**

- ☐ Anti-Freeze
- ☐ Oil, fuel, hydraulic filters for Case and other model tractors
- ☐ Paint in gals., quarts, and spray cans.
- ☐ Seat covers.
- ☐ Grease cartridges.
- ☐ Cutting edges for many different widths & types of buckets discount good on cutting edges even if our shop installs them.
- ☐ Case crawler undercarriage parts, etc.
- ☐ Ether
- ☐ Gasket sealer.
- ☐ Hoses, belts, thermostats.
- ☐ Hitch pins & clevis
- ☐ Curved chisel plow shovels
- ☐ Moldboard plow parts
- ☐ Glencoe soil saver points & shovels.
- ☐ Disk harrow blades
- ☐ Hydraulic cylinders
- ☐ Head and work lights
- ☐ Engine block heaters for tractor.
- ☐ SMV emblems.
- ☐ Water pumps, tune-up parts
- ☐ Loctite products.
- ☐ Gehl blower pipe clamps
- ☐ And many more!

**EARLY ORDER SPECIAL ON BALER TWINE**

• #1 Quality • 9,000 ft. bales (some 10,000 ft avail)

| 1 - 25 Bales: | 26-49 Bales | 50 & Up Bales |
|---|---|---|
| $23.50 ea. | $22.50 ea. | $21.50 ea |

**BIG ROUND BALE PLASTIC TWINE**

Each package contains two balls of 8000 ft., total of 16,000 feet per package **$24.80**

We will notify you for your pickup date during Jan 1981

**IF YOU ORDER AND PAY DURING THIS WEEK, WE WILL GIVE YOU AN ADDITIONAL DISCOUNT OF $1.00 PER BALE OFF OF THE ABOVE PRICES ON BALER TWINE**

**Stop In And Check Our Supply Of NEW & USED SKID LOADERS**

★ Reasonable Financing Available ★

# INC. Invites You To Our Annual

# SH & CARRY DAYS

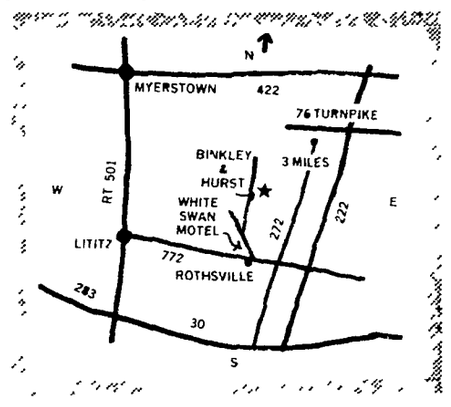
case

REFRESHMENTS ALL WEEK

**For Your New And Used Machinery Needs Don't Miss The Many Discount Machinery Specials Listed Below & On Following Pages!**

**YEAR END 10% INVESTMENT CREDIT AND OUR SAVINGS WILL HELP PUT $$$ IN YOUR POCKET**

Not Responsible For Typographical Errors




U.P.S. Station Here

## OTOR ANS RAULIC } OIL NOW!

## ash & Carry Discount

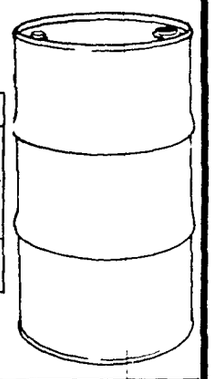
load of Oil And ings On To You

**OUNTED PRICES**

| Gal. | 55 Gal. |
|---|---|
| NA | $199.25 |
| 29.75 | $212.00 |
| 25.25 | $211.00 |

n, Bucket & Drum

SCOUNT DAYS ONLY



## H & CARRY DISCOUNT ON ALL CASE & GEHL PARTS

**YOUR SUPPLY OF THESE ITEMS ARTS YOU MAY NEED TO SAVE IR 10% DISCOUNT SAVINGS PROGRAM**

for actors d

of shop age

- ☐ Hitch pins & clevis
- ☐ Curved chisel plow shovels
- ☐ Moldboard plow parts
- ☐ Glencoe soil saver points & shovels.
- ☐ Disk harrow blades
- ☐ Hydraulic cylinders
- ☐ Head and work lights
- ☐ Engine block heaters for tractor.
- ☐ SMV emblems.
- ☐ Water pumps, tune-up parts
- ☐ Loctite products.
- ☐ Gehl blower pipe clamps
- ☐ And many more!

s.

## BALER TWINE

Quality • 9,000 ft. bales (some 10,000 ft avail.)

49 Bales **2.50** ea. 50 & Up Bales **$21.50** ea

## BALE PLASTIC TWINE

balls of per package **$24.80**

our pickup date during Jan 1981

**D PAY DURING THIS WEEK, YOU AN ADDITIONAL $1.00 PER BALE OFF OF RICES ON BALER TWINE**

## heck Our Supply Of D SKID LOADERS

Financing Available ★

## NEW & USED EQUIPMENT SPECIALS

**CHECK OUR LOW, LOW PRICES!**

| | |
|---|---|
| New Heavy Duty 31 ft Speed King #62 chain paddles every 2 ft | $1833 00 |
| New 36 ft Speed King #62 chain paddles every 2 ft | $1676 00 |
| New 7 Shank Case Soil Controller Demo | $4300 00 |
| New 7 Shank Case Soil Controller, New | $4580 00 |
| New 9 Shank Case Soil Controller, New | $5300 00 |
| New 15 Shank Wing Landoll Soil Master $12,684 less 10% = | $11,415 60 |
| New 5 Shank Landoll Soil Master w/Bustebar | $3785 00 |
| New 5 Shank Glenco Soil Saver | $3700 00 |
| Used 120 Gehl Mixer | $1980 00 |
| Used 120 Gehl Mixer w/Hyd | $2250 00 |
| JD Used Rotary Cutter Trailer Type | $800 00 |
| New Glenco Field Cultivator 10½ ft | $1527 00 |
| New Glenco Field Cultivator 11½ ft | $1610 00 |
| New Case Model 240 Row Cultivator | $1285 00 |
| New Case 22 ft Wing Field Cultivator w/cylinder & nose, folds to 12 ft transport width | $6400 00 |
| New Case 12½ ft Field Cultivator | $2125 00 |
| New Case 13½ ft Field Cultivator | $2252 00 |
| New Pittsburg 3 Pt Spring Harrow 8 ft | $532 00 |
| New Pittsburg Pull Spring Harrow 8 ft | $461 00 |
| New Pittsburg Pull Spring Harrow 10 ft | $603 00 |
| New Pittsburg Pull Spring Harrow 12 ft | $660 00 |
| New Dunahue Tandem Axle Implement Carrier 8 ft x 28 ft | $2097 00 |
| New McCurdy Model 1100 Harogator on transport less cylinder, 10 ft width (2) 3 ft wings = 16 ft | $980 00 |
| Used JD 10 ft Spring Tooth Harrow | $110 00 |
| New Gehl 3 Pt Wheel Rake w/4 wheel | $885 00 |
| New Demo 20 8x38 duals Circoloc Goodyear Power Torg 8 8 ply | $1680 00 |
| New Demo 20 8x38 Circoloc MGD 10 ply tires | $1780 00 |

## ROTARY CUTTERS

**3 PT. HITCH MODEL**

★ Ideal for trimming up around buildings, etc

| | |
|---|---|
| Heavy Duty Rhino Saturn, 5 ft | $772 |
| Heavy Duty Rhino Saturn, 7 ft | $1523 |
| BushHog Rebel, 5 ft model, regular duty | $585 |

## NEW QUICK-ATTACH LOADERS

**IN STOCK**

## NEW DUNHAM-LEHR LOADERS

Reg. price is **$2,625** Including Freight

During This Special Discount Week We Will Give You An Additional

**20% OFF** For Buying Now

Here is What You Get - **BASIC "22" SERIES LOADER**

- Quick off & on type with 2 spool control valve with float position
- Large heavy duty 65" wide material bucket with cutting edge, industrial type
- Permanent mounted parking stands
- All hoses and pipelines to control valve on loader
- A loader that will take up to 130 hp yet compact enough to mount on a 40 hp tractor.

Mounting Brackets not in price of Basic Loaders Must specify tractor model and bucket size wanted

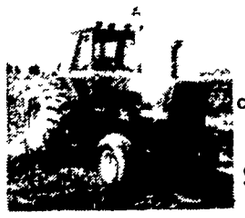
**NOW IS THE TIME - FINANCING AVAILABLE**

## USED TRACTOR SPECIALS

MAKE US AN OFFER - WE'RE READY TO DEAL!

★ **FINANCING AVAILABLE**

**NOTICE: NO INTEREST, NO PAYMENTS ON THESE TRACTORS TILL 3/1/81**



**ALLIS CHALMERS 7040 DIESEL TRACTOR**

cab, air heater, power shift, 20 8x38 rear tires, low hrs , 700 Hrs auxiliary flood lights

**$23,800** LESS 15% OFF

Waiver Of Finance no payments, no interest till March 1, 1981

## OTHER USED SPECIALS IN STOCK

**Make Us A Good Offer On Tractors Listed Below**

| | |
|---|---|
| John Deere 4230 D 4 Post Canopy, 18 4x38 tire | $16,400 00 |
| Owatonna 1700 skid loader Ford gas | $3300 00 |
| Case 300 gas narrow front | $1200 00 |
| Oliver 1650 gas, wide front front weights, excellent | $5800 00 |
| IH 444 gas, utility w/loader | $4851 00 |
| Owatonna 310 D skid loader | $3900 00 |
| Big Mac model 18 skid loader Ford gas bucket & manure fork 651V | $6900 00 |
| AC 7050 D cab air heater, front weights power shift | $15,900 00 |
| Oliver 1600 D wide front | $4380 00 |
| Case 2470 w/18 4x34 duals, power shift, less then 600 hr cab air, heater PTO | $35,800 00 |
| Oliver 1250 utility diesel | $2164 00 |
| Case 1070 Diesel Tractor, 1750 hours, 4 post roll frame w/canopy standard shift 18 4x38 rear tires | $12,900 00 |
| 1975 model Case 1070 Diesel Tractor, cab, heater, power shift trans , w/front weights, 800 original hours | $15,800 00 |
| Case Model VAS Cultivator Tractor high clearance, 3 pt hitch, hydraulic | $1,080 00 |
| Massey Ferguson Model 175 Diesel Tractor with 14 9x36 deep lug tires, like new, this unit has been reconditioned & painted | $4,851 00 |
| Farmall 504 Tricycle type gas, 1 owner, w/IH 2001 series loader, mtd , nice | $3700 00 |
| Case 530 gas, wide front end, Draft o matic, 3 pt hitch P S late model | $3,800 00 |
| Farmall 706 Diesel tractor w/cab, narrow front, 2 pt fast hitch, 1 owner nice | $5,800 00 |
| David Brown 990 Diesel Tractor | $2,500 00 |

**WAIVER OF FINANCE ON NEW & USED EQUIPMENT IF BOUGHT WITH USED TRACTORS AT BINKLEY & HURST**

**OTHER NEW & USED**

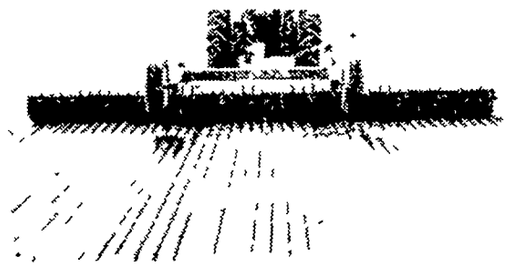
## MISCELLANEOUS ITEMS

**We Will Discount 40% OFF Items Listed Below**

| | |
|---|---|
| Used Imco Model 500 3 pt Hookup Scraper Box with double blade push pull type with 5 optional ripper teeth | $475 00 |
| Used Heavy Counter Weight Box to put on back of loader backhoe tractors when backhoe is removed | $5 00 |
| Used Hawk Bilt Model 187 Tank Spreaders, right hand discharge with manual lid opener | $250 00 |
| Used Fox Super 6 Pull Type Corn Harvester one row header installed never used hard | $285 00 |
| Used Snow V Plow 8 foot cutting width plus wider pan at top approx 4 feet height was installed on front mount loader easily adaptable to most any loader | $236 00 |
| (1) Only New McCurdy Gravity Bin with some handling damage model 230 size | $496 00 |
| New Top Beater Attachment for Cobey Manure Speaders to fit models 3200 and 3400 tandem axle with sprockets and mounting plates included in price | $88 00 |
| Used Cardinal 6 x46 foot long Transport Auger heavy duty PTO bottom drive with down spout and hopper at bottom | $1,185 00 |
| New Pittsburg 2 row Cultivator with Guide Coulter 3 pt hookup type no shields | $485 00 |
| New Lawn Roller hand or tractor pull type 18 diameter drum x 24 wide can be liquid filled for more weight | $38 00 |
| New York Stone Rake for making lawns or leveling gardens 4 foot wide pull type for pulling behind your compact tractor with adjustable hitch and angle setting | $288 00 |
| New Brinly Sleeve Hitch Cultivator to fit on any make compact lawn & garden tractor with sleeve hitch | $79 00 |
| IH TD9 Crawler Loader Tractor with 4 in 1 bucket | $6,800 00 |

DUNHAM LEHR INC. **SERIES 40**

## CULTIPACKER

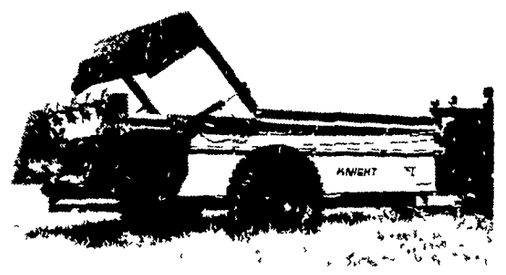


## NEW & USED CULTIPACKERS

**10%** OFF OUR ALREADY LOW PRICES

★ Gauge wheels optional unless listed ★

| | |
|---|---|
| New Dunham Model 40 Series, 34 Rollers, 17" diameter, 12 foot rolling width, serial #015428 | $989 00 |
| New Dunham 42 Series Model 42300 Folding Wing Packer with all cylinders & hoses transport tires, 17" wheels weight 4115 pounds, 24'9 ' rolling width Ready to go | $3,846 00 |
| New Dunham Model 42200 Wing Folding Cultipacker with 17' wheels, all cylinders and hoses to tractor, setup with flotation tires, weight 3715 pounds, rolling width of 20'7" | $3,626 00 |
| New Dunham 40 Series Packer with 28 rollers, 17" diameter 9'11" rolling width serial #15484 | $839 00 |
| New Dunham 24 series packer with transport kit, serial #7833, 44 rollers, 17" diameter, rolling width 15'2" | $1,480 00 |
| New 24 series packer, 24 rollers x 17' diameter, 8'4 ' rolling width | $649 00 |
| New Dunham 24 series with 28 rollers, 17 ' diameter, rolling width of 9'10' | $756 00 |
| New 24 series with 32 rollings, 17" dia 11'2 rolling width | $845 00 |
| New Poplarville Heavy Duty, 11 foot rolling width, 17' rollings, weight 2002 pounds | $970 00 |
| (2) New Poplarville 4 foot wide for wing units 17' diameter rollers | $298 00 each |
| Good used Brillion, 14 foot, rolling width, 17' dia rollers | $795 00 |
| Used Chattanooga Packer with 29 Rolling 18" diameter, weathered, approx 11 foot wide | $430.00 |



KNIGHT

## "250" MANURE SPREADER

Built to handle mo e than 7 tons of manure the Knight #250 is the ideal spreader for medium size operations The low profile allows easy maneuvering under the barn cleaner and the 5 width provides for no spill loading The rugged frame and all steel welded construction means you can haul those big loads over rough ground without worry **The special copper bearing steel box resists corrosion due to weather and manure acids** Frozen and solid manure are easily handled by the advance design auger beater with alloy steel ripper teeth The worm gear drive is smoother in operation and creates less drive system stress The top beater is standard equipment on the #250 The optional hydrofluid endgate and 4 x 4 rails lock in that sloppy manure and prevent unwanted spilage Feature for feature the Knight is your best buy

**MODEL 250 IN STOCK WITH HEAVY DUTY GRATZ WEB**

- ★ Nobody else can offer you a manure spreader with copper bearing steel to resist rust.
- ★ Check with us for a good deal
- ★ P.S. - Larger models in stock also

# CASH & CARRY DISCOUNT DAYS
## DECEMBER 15 TO DECEMBER 20, 1980

## CLAMP ON DUAL WHEELS
— IN STOCK —

- No Alignment Necessary • On & Off In minutes
- Wedg-Lock Construction • Easily Installed
- No Welding Necessary • 4" Of Bearing Surface
- No Bent Rims

**BUY THIS WEEK & GET AN ADDITIONAL 10% OFF OUR ALREADY LOW PRICES**

**NEW UNVERFERTH McCURDY DUAL WHEEL KIT IN STOCK**
Our Regular low, low Prices Quoted
**DUAL WHEEL KIT COMPLETE OVER RIM SNAP ON**

For 18.4x38 Tire..... $394.00
For 20.8x38 Tire..... $535.00
For 18.4x34 Tire..... $390.00

**DUAL WHEEL CIRCOLOC SNAP ON KIT**
For 20.8x38 Tire
**$549.00**

★ Hardware in Stock for Triples
★ We Have: Clamps, Rods, Eye Hooks, Spacer Bands, Plain Tractor Rims and accessories in stock

**NEW REAR TRACTOR RIMS WILL FIT MOST ANY MAKE OF TRACTOR**

(1) 12"x38" Double Bevel with Driver Notches $100 00
(3) 18"x38 Double Bevel with Driver Notches each $148 00
(2) Used good condition 12"x36 with power adjust rails each $26 00
(1) Used Rim for a 14 9x24 tire with Case center disc $39 00
(1) 16"x38' Double Bevel with driver notches $120 00
(1) Used good condition 14"x34' Double Bevel Rim with yellow paint $42 00

• With A Deposit We Can Also Order Any Size You Want
(1) New 9"x28" Rim with bolt holders to fit 8N Ford tractor or similar $61 50
(3) New 10 'x28" Rim with bolt holders to fit 8N Ford tractor or similar each $63 50

**WAGON WHEELS, ETC.**
**10% OFF PRICES LISTED**

| | | | |
|---|---|---|---|
| 8x16 6 lug | $29 00 | 8x15 6 lug | $29 00 |
| 10x16 6 lug | $38 00 | 10x15 6 lug | $31 00 |
| 10x15 8 lug | $46 00 | 6x15 6 lug | $25 00 |
| 10x16 8 lug | $49 50 | 5x15 5 lug | $29 00 |
| 8x16 8 lug | $33 00 | 7x20 6 lug | $48 00 |

• Also some 4 lug & other miscellaneous sizes
• Check with us for amounts in stock

**PICKUP TRUCK RIMS**
**10% OFF PRICE LISTED:**
Jie Budd Wheels for 9 50x16 5 Tire size as used on many late model pickup trucks ea $59 00

## BUCKETS & ACCESSORIES
**In Stock**

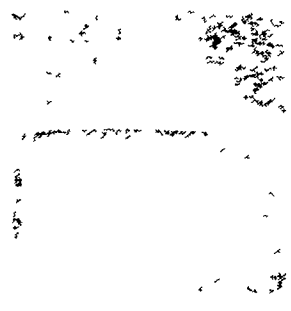
WE WILL GIVE YOU AN ADDITIONAL **10% OFF** OUR ALREADY LOW SALE PRICES. NOW IS THE TIME TO GET THAT BUCKET YOU NEED FOR SNOW REMOVAL & MANURE LOADING AT A SAVINGS THIS WEEK.

(1) New 48' wide Material Bucket for Case 1816 B Uniloader Reg price $365 00 SALE $325 00
(1) New Quick attach Manure Fork for Gehl Model 2000 series skid loader, 54" wide #801375 SALE $265 00
(1) New Gehl #800543 Manure Fork for Gehl Model 4000 Series skid loader, 60' wide Reg price $450 00 SALE $399 00
(1) 20 wide trenching bucket, weathered, for Davis Backhoe, Reg price $345 00 SALE $285 00
(4) New 44" wide Material Bucket for Case 1816 B Uniloader Reg price $340 00 SALE $300 00
(1) Used 54 ' wide material bucket for Case 1830 Uniloader SALE $195 00
(1) New Large 72" wide Bucket #800544 for Gehl Model 4400 4500-4600 skid loader Reg $550 00 SALE $495 00
(1) Weathered 30" trenching bucket for most model Case Backhoes such as 530 580B 580C #D37475 Reg price $625 00 SALE $499 00
(1) New 7 foot Material bucket to fit Case 60 65 series Agricultural loaders #T92148, bucket drilled for tine forks Reg price $471 00 SALE $390 00
(1) New Ag Tech 72" wide Manure Fork to fit Case 1845 Uniloader Reg price $400 00 SALE $399 00
(1) Used Ag Tech Manure Fork 72" wide to fit Case 1845 Uniloader $230 00
(1) New Material Bucket 66" wide, #T92144 for Case 60-65 series Agricultural loader drilled for tine forks Reg price $412 00 SALE $325 00
(2) New 20 ' wide trenching bucket for David Backhoes Reg price $345 00 SALE $330 00
(2) New 54 ' wide material bucket for Gehl Model 2000 series skid loader, #801371 each Reg price $265 00 SALE $225 00
(1) New 60" wide manure fork attachment for Case Agricultural loader Models 60 65 series Reg price $400 00 SALE $330.00
(1) New 60" wide manure fork for Gehl 4400 4500 4600 Skid Loaders Reg price $450 00 SALE $360 00
(1) New Case 60' wide Heavy Duty Dirt Bucket, #D17283 for Case Model 1830 Uniloader Reg price $525 00 SALE $425 00
(1) Used 60' wide Dirt Bucket for Case 1830 Uniloader $265 00
(2) New Ag Tech 36" wide deep Hi capacity material bucket for Case 1816 B Uniloader Reg price $209 00 SALE $180 00
(1) Used 63" wide Utility Material Buckets for Case Model 1845 Uniloader Reg price $685 00 SALE $525 00
(2) New 54' wide Manure Fork For Gehl 2600 2800 series skid loaders, #801375 Reg price $295 00 SALE $250 00
(1) New rear mount scarifier 54" wide for Case Model 1830 Uniloader serial #5427013 Reg price $860 00 SALE $695 00
New Case 36' wide Trenching Bucket #D37476 to fit Case 580 C backhoes and most other models, SALE$725 00
(1) New Case 63 wide manure fork to fit Case 1845 Uniloaders, SALE $640 00

**USED**
## RAILROAD TIES
Limited Number Available

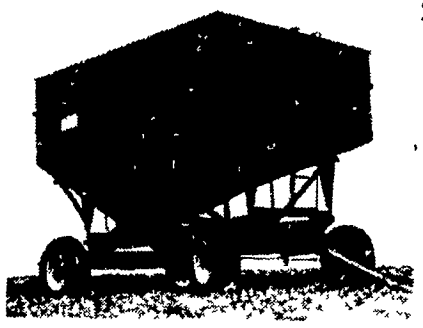
SPECIAL SALE PRICE **$5.00 ea**

## BEHLEN CORN CRIBS



Model EXL 115
1515 Bushel
Plus extra area in Roof
**IN STOCK NOW!**
F.O.B. Our Lot and at a Super Rebated Price While Present Inventory Lasts.
ONLY **$888**

**PLUS A SPECIAL QUANTITY DISCOUNT DURING THIS WEEK**
While Inventory Lasts



**STANDARD GRAVITY BINS**
F.O.B. our lot. Auger Attachments, Side Boards and Hydraulic Augers Available.

**LEFTOVERS! — We Will Give You An Additional 10% OFF**
**Our Already Low Prices**

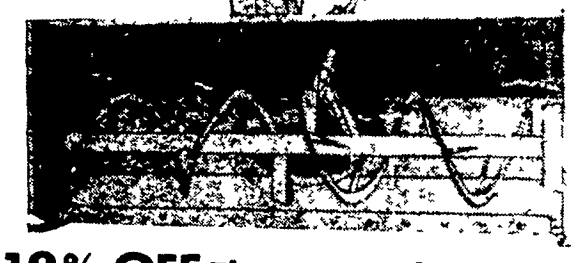
Model 230 Bin on 8 ton McCurdy wagon 11Lx15 6 ply tires reg hitch $1230
Model 190 Bin on Zimmerman Manufacturing 6 ton wagon w/regular hitch, good used tires $970
Model 190 Bin on electric wheel 4 ton wagon w/regular hitch, good used tires $840
Model 190 Bin on heavy duty 6 ton Gehl wagon w/quick hitch, 9 5Lx15 6 ply tires $1086
New 12 Ton McCurdy w/quick hitch, 12 5Lx15 10 ply tires, 8 lug wheels, model 275 Bin $1615
Used McCurdy Gravity Bin, 165 bu , mounted on Case wagon, weathered $380
Also we have a few sets of 15" side extension kits for model 230 bin that are weathered at only per set $48

**ALL PRICES F.O.B. OUR LOT**

## BER-VAC

• Mount on Tractor 3 pt. hookup
• Models in stock Ready to Go!

**SNOW BLOWERS**
**Built In The Snow Country!**



**10% OFF These Regular Prices**

| Model | Horsepower Range | Cutting Width | Cutting Height | Regular Price |
|---|---|---|---|---|
| S-60 | 12-30 | 60" | 23" | $1009 |
| S-665 | 40-70 | 81" | 34" | $1515 |
| S-85 | 40-65 | 85" | 27" | $1368 |
| S-766 | 45-70 | 87" | 34" | $1617 |
| S-876 | 65-150 | 96" | 43" | $2851 |

# BINKLEY & HURST BROS.
133 Rothsville Station Rd., Lititz, PA 17543
Phone: 717-626-4705

# CASH & CARRY DISCOUNT DAYS
## DECEMBER 15 TO DECEMBER 20, 1980

case

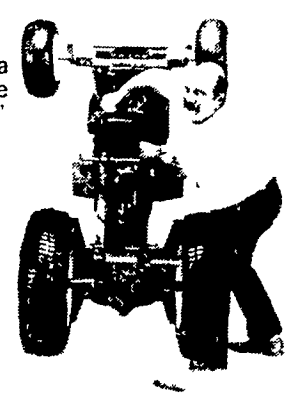
## OUR BIGGEST WINTER SALE EVER ON LAWN & GARDEN EQUIPMENT!

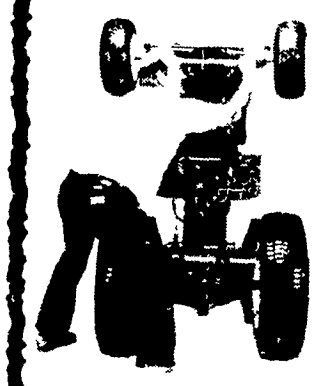
Stop In During This Week Or Make Your Evening Appointment Now

### Get a tough Case Lawn and Garden Tractor

We're looking for tough customers who'll ask a lot of hard questions Because we've got the right answers

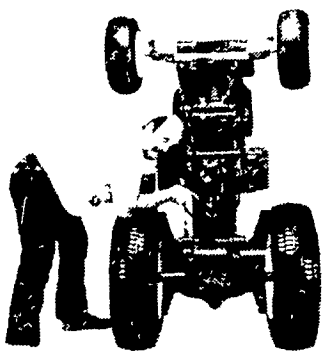
"Ask about the frame Is it a rugged twin-channel frame like this?"

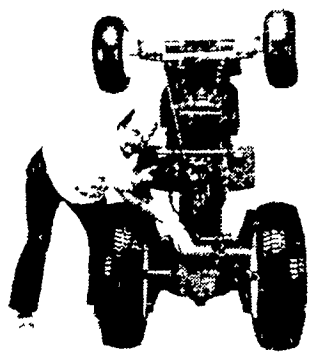




Has it got heavy-duty king pins and cast iron front axle? Ours does

'Ask how it s powered Ours is a hydraulic system called HYDRIV No troublesome belts, shafts or pulleys in the drive train HYDRIV powers the tractor and hydraulic attachments including our reversible tiller Nobody else has it "





'Ask about the rear axle housing Is it a lightweight or heavy-duty cast iron, with big, beefy gears inside like ours?"

### NEW AND USED LAWN AND GARDEN TRACTOR SPECIALS IN STOCK:

New Warranty Used Demo Tractor, Case Model 446, 16 Hp High Clearance Hydraulic lift with quick attach for fast on and off of attachments With heavy duty 48 3 knife mower deck tractor serial #9770851 mowers serial #D64391 Reg Price for tractor 8 mower $4069 00 Our (One Only) Sale Price is **$2,686 00**

New Never Used Case 10 HP tractor Model 220 with manual lift with quick attach for fast on and off of attachments, with heavy duty 3 blade mower deck 38 ' cut tractor serial #9762431, mower #A59860 Reg Price $2818 00 Our low discount week price is only **$1,789 00**

New Never Used Case High Clearance Model 446 Tractor, 16 HP with 5 special garden lug traction tires quick attach for fast on and off of attachments heavy duty 44' 3 blade mower deck tractor serial #9786586, mower deck #C67362 Reg Price $4 028 00 Sales Week Special Price is only **$2,845 00**

Used Case 12 HP Model 222 tractor (yellow color) with manual lift and 38 mower deck tractor serial #9631366, mower deck serial #A44733, Reg Price is $825 00 This Week Only Our Special Price is **$780 00**

New, Never Used Case Model 220 10 HP tractor with quick attach for fast on & off of attachments Hydraulic lift for mower & accessories, with heavy duty steel mower deck (not white metal) with 3 blades cutting 38' wide tractor serial #9779910 and mower serial #A60826 Reg Price $3,025 00 Our Low Discount Week Price is Only **$1,997 00**

New warranty Used Demo Tractor Case Model 448 18 HP tractor high clearance with 16x6 50 8 rear turf tires hydraulic mower and implement lift quick attach for fast on and off of mower and implement attachments equipped with heavy duty steel mower deck with 3 blades, tractor serial #9789273 and mower serial #D61816 Reg Price $4377, Our discounted special sales appreciation price is only **$2,922 00**

New Case Model 446 Tractor 16 HP never used high clearance with 16x6 50, 8 rear turf tires hydraulic lift quick attach for fast on and off of mower deck and other mounted attachments with heavy duty steel 3 blade mower deck cutting width of 44 , tractor serial #9786583 and mower serial #C67361 Reg Price $4,000 00 Our Special Discount Week Price is Only **$2,725 00**

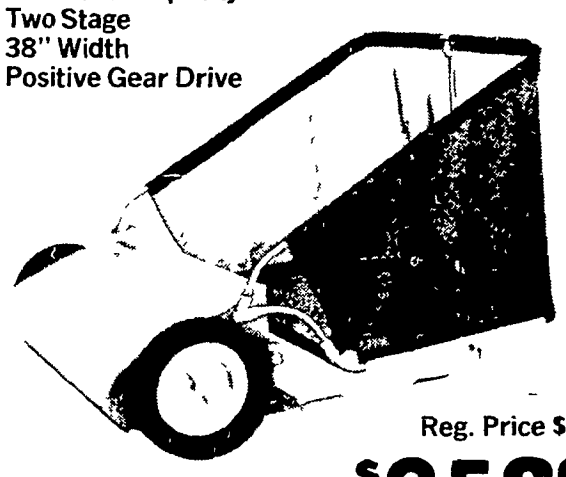
Used Late Model New Red Color Case Model 222 Tractor 12 HP with hydraulic mower & implement lift & 38 heavy mower deck and special sleeve hitch attachment for rear mounting of implements, tractor serial #9736728 mower serial #A53406 Reg Price $1 180 00, Special Sales Week Price is Only **$1,050 00**

**GOOD FINANCING PLANS ARE AVAILABLE NOW! SO DON'T MISS THE BARGAIN YOU NEED JUST BECAUSE YOU MAY BE A LITTLE SHORT OF CASH NOW. (WE MAKE IT EASY FOR YOU)**

We also have a Grass Bagger Catcher Attachment for a New Case Model 80 Tractor rear engine rider, Reg. Price is $190 00 plus freight, Now Only . . $88 00

### TAKE A GOOD LOOK AT OURS!
### CASE HEAVY DUTY LAWN SWEEP

11 Bushel Capacity
Two Stage
38" Width
Positive Gear Drive



Reg. Price $308

During This Week You Save By Paying Only **$258.00**

### That's Big Mouth

**CAN'T HARDLY PLUG IT! GET TOUGH WITH WINTER. GET A TOUGH CASE TRACTOR WITH A SNOW BLOWER**

We Have In Stock:

(2) L80 Case Snowblowers, heavy duty, 38" cut, fits Case Model tractors 210 - 220 - 222 - 224, Reg Price $502 00 THIS WEEK YOU PAY ONLY **$416.00**

(1) L84 Heavy duty Snowblower, 48" cut, fits Case model tractors 210 - 220 - 222 - 224 - 444 - 446 - 448 Reg Price $602 00 THIS WEEK YOU PAY ONLY **$496.00**

★ **Don't Miss The Blower You Need By Waiting Too Long!**

★ **We Also Have Wheel Weights, Tire Chains and Snow Blades In Stock.**

### NEW GEHL FORAGE BOXES

Bu 94 Model Box, 4' sides x 14' long, 2 beaters, mounted on McCurdy short turn radius wagon with adjustable quick hitch and 9 5L x 15 8 ply flotation tires, serial # 24448 **$3705**

Bu 640 continuous drive (no ratchet) auger unload, 6' high sides x 14' long with 3 beaters and rubber trough extension, forage box mounted on Zimmerman 8 ton wagon with quick hitch and 11Lx15 8 ply tires, serial #3011 **$3440**

Bu 640 continuous drive auger unload model with rubber trough extension box with 2 beaters, 4' high sides x 14' long, serial #3068, mounted on McCurdy short turn radius wagon with adjustable quick hitch, 12 5Lx15 8 ply flotation tires **$3365**

### IN STOCK - LEFTOVERS AT OLD PRICES

**5% OFF** OUR ALREADY LOW PRICES This Week Only - Come & Get Them

Bu 640 continuous drive forage box with 6' high sides, 3 beathers, 16' long with rubber trough extension for auger unload, mounted on Zimmerman 10 ton wagon with quick hitch and 11L x 15 8 ply tires, serial #2907 . **$3685**

Bu 640 continuous drive forage box with 6' high sides x 16' long, 3 beaters, auger unload with rubber trough extension, serial #2906, mounted on McCurdy 10 ton wagon with adjustable quick hitch, short turn radius with 12 5L x 15 10 ply tires **$3780**

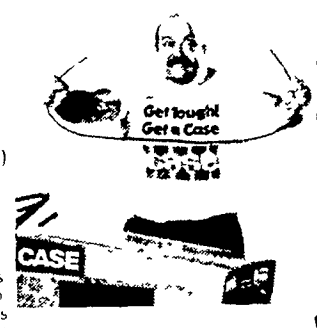
(2) Used Gehl 920, 6x14, 3 beaters & roof, mounted on Gehl wagon with flotation tires, pintle chain **ea. $2250**

### Don't Let 'em Belt You!

(or chain or pulley or shaft you!)

**Get a tough Case Garden Tractor with hydraulic drive.**

No troublesome belts chains pulleys shafts in this drive train One lever controls direction and speed Nobody else has hydraulic drive nobody Get tough Get a Case




# BINKLEY & HURST BROS. INC.

133 Rothsville Station Rd., Lititz, PA 17543
Phone: 717-626-4705

TURN PAGE FOR MORE SPECIALS

# CASH & CARRY DISCOUNT DAYS
## DECEMBER 15 TO DECEMBER 20, 1980

## IN STOCK: NEW & USED DISK HARROW SPECIALS

### CORN STALK CUTTER

### Rhino 131 TANDEM HARROW

Today much is said about a "Flexible" harrow The RHINO 131 was the first truly flexible tandem harrow Not only is it flexible side to side but also from front to rear This rugged harrow will meet the challenge that your toughest conditions present

Hard-to-plow soils, heavy stalks, stubble and sticky rice levee lands are no match for the RHINO 131 It will disc, pulverize, mix and aerate the soil to protect against packing in heavy rains and add profits to your pocket by producing better yields

Built-in flexibility assures longer life and lower maintenance cost, while helping you produce a profit

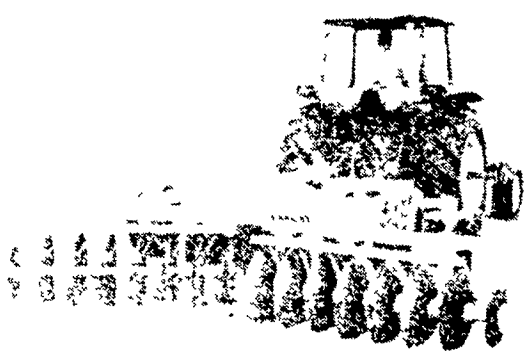
Turn a RHINO 131 loose in your field and you'll know you own the best

### NEW MODELS SET UP IN STOCK
### SPECIAL SAVINGS

11 foot cut with coverblades at end, dual wheels transport, smooth edge 24" x ¼" thick blades, weighs approx 2 tons serial #89234
**(1) only at $4,200 00 less 5% Cash Disc**

8 foot Model with 24' x ¼" thick smooth blades, cover blades on end of rear gangs, transport model serial #079043
**(1) only at $3,542 00 less 5% Cash Disc**

New Demo Rhino Athens Model Flex 90B, C Clamp Bearing Hangers, 15 foot cut wing model with 11 foot transport width with 22' blades for cutting and finishing This unit has dual 11Lx15 transport wheels with 9 5Lx15 dual wheels on each wing Plus all lift & fold cylinders with hoses to tractor Reg Price is over $7800 00
**Discount Price is $6750 00**



### MODEL "F-17" DISK HARROW
**Sizes: 9'3", 10'6", 12'0" and Case D14 Model with Same Specs.**
**Standard Specs:**

AXLES Four 1½" square high-carbon cold rolled steel BLADES. Diminishing with 2-16" feathering blades on rear gangs SCRAPERS High-carbon replaceable blades on heavy-duty shanks mounted with grade 5 bolts on high-carbon angle iron bars WHEELS 2-15 x 8 six bolt CLEVIS Reversible WRENCH 1 for gang bolt BEARINGS Protect-O-Shield regreasable ball type, toggle mounted ANGLE Adjustable, 18°-22° Front, 17°-21° Rear WEIGHT 106 120 lbs per blade 296-337 lbs per foot plus more with large blades DISK SPACING 9 inches

### LISTED BELOW ARE DIFFERENT SIZE DISK HARROWS AS PICTURED ABOVE AND OTHER MAKES & MODELS OF NEW & USED SPECIALS

New Case Double Offset Tandem Rock Flex Bearing Hangers Transport Disk 9 3 cut 22 blades model D15 11Lx15 tires flotation 2 units in stock
**Regular Sale Price Is $3,800 00, Buy This Week and Save 10% = $3,420 00**

New Amco Double Offset Tandem Rock Flex Bearing Hangers Transport Disk with cutting width of 10 6 using 24 blades, model F17 with 11Lx15 flotation tires, 1 only
**Regular Sale Price Is $4,300 00, Buy This Week and Save 5% = $4,085 00**

New Amco Double Offset Tandem Rock Flex Bearing Hangers Model F17 Transport Disk with cutting width of 12 foot using 22' x ¼ thick heavy duty blades with 11Lx15 flotation tires, 1 only
**Regular Price is $4,680 00, Save 5% By Buying This Week = $4,446 00**

New Case Double Offset Tandem Disk Harrow, 34 blades 22 diameter, heavy duty transport model, 12 foot cutting width, model D15 with 11Lx15 flotation tires, 1 only
**Regular Sale Price Is $4,500 00, Buy This Week and Save 5% = $4,275 00**

New Rhino Athens Model 62 Cut & Finish Transport Disk Harrow 10 cutting width with 7½ ' spacing front and rear regreasable bearings, 32 blades 20 diameter smooth with scrapers and hydraulic lift cylinder & hoses to tractor, less ends, adjustable gang setting, serial #179192 setup shows some weathering, 1 only,
**Reg Sale Price Is $3,373 00 Save 20% by Buying This Week = $2,678 00**

New Rhino Athens Model 62 Tandem Transport Disk Harrow 9' cutting width with 20' smooth blades, 9' spacing front 7½ ' rear adjustable gang setting with regreasable bearings, with scraper knock down, no tires or hydraulics, serial #059243, 1 only,
**Reg Sale Price is $2765 00 Buy This Week and Save 32% Off = A once in a life time buy at net of $1,880 00**

New Rhino Athens Model 62 Tandem Transport Disk Harrow with adjustable gang setting, regreasable bearings, cutting width is 12 feet with 20 ' smooth blades, front gang spacing at 9" and rear at 7½", scrapers a nice cut & finish disk, knock down, no tires or hydraulics, serial #049400, 1 only,
**Reg Sale Price is $3,694.00 This week you can save a grand total of 34% at a net bargain price of only $2,438 00**

New Rhino Athens Model 167 Transport Heavy Duty Offset Disk Harrow with a cutting width of 8 foot, with Relube Quad Bearings, using 26 ' smooth heavy duty blades with 20 cover disks, heavy duty tongue with jack, heavy duty scrapers, less lift cylinder and hoses setup with heavy duty flotation tires, 1 only
**serial #20370, Reg. Sale Price Is $4,757 00, Save 29% by buying Now at a Net Price of Only $3,377 00**

New Rhino Athens Model 167 Heavy Duty Transport Offset Disk Harrow, cutting 12 feet with heavy duty 26" smooth blades with scrapers and 20 cover disks, tongue with Jack, with relube quad bearings less lift cylinder, knock down, no tires, serial #20372, 1 only,
**Reg Sale Price is $6,656 00 Save 32% By Buying Now at a Net Price of $4,526 00**

Like new repo Rhino Athens Model 50 heavy duty 3 pt hitch type Disk Harrow 20" cut out blades on front and rear gangs blade spacing at 9" front & rear, adjustable gang setting, optional scrapers included serial #78189, cutting width of 7'9" and weight of approx 1,002 pounds,
**New Reg Selling Price Is $1,205 00, Our Discounted Selling Price This Week is Only $720 00**

Used Massey Ferguson Model 620 Transport Model Disk Harrow, adjustable gang angle setting, 13 foot cutting width, good heavy frame, spring loaded hitch blades approx 18 20" diameter,
**Reg Low Price is $1,980 00, This Week Save . 10% at a Net Price of $1,782 00**

Case 12 foot wide transport Disk Harrow, used, badly rusted but in operating condition, 40 blades at approx 16 ' to 18' diameter variation,
**Reg Sale Price was $1,100 00 Bargain Days . Discount is 70% Off of Reg Price = a Net Of Only $330 00**

Good Used John Deere Kilfer Offset Transport Disk Harrow with small wheels approx 7 foot cut, model 7 H 03 with like new blades approx 20" in diameter, color of paint is light green
**Reg Price was $485 00 This Week! 30% Off = a Net of Only $339 50**

Used John Deere Disk, may need some work, offset Kilfer model transport, 7 foot cutting width, small transport wheels paint color is dark green
**Reg Price was $350 00, This Week 70% Off = a Net Price of $105 00**

## YES! WE HAVE TIRES IN STOCK

- FARM
- INDUSTRIAL
- TRUCK
- CAR
- WAGON
- WINTER SNOW TIRES

ALL TIRE PRICES QUOTED IN THIS AD FOR CASH N CARRY

### LISTED BELOW ARE NEW REAR TRACTOR TIRES
### 10% OFF THESE PRICES

| | |
|---|---|
| (1) 20 8x38, 8 ply Goodyear Power TorqueBlem | $550 00 |
| (2) 20 8x38, 3 ply, Goodrich Radial | $898 00 |
| (3) 20 8x28, 10 ply, MDG | $585 00 |
| (4) 20 8x38 8 ply, Firestone All Traction Field & Rd Take Off's | $575 00 |
| (2) 18 4x38, 6 ply Goodrich | $331 00 |
| (4) 16 9x38, 8 ply Goodrich Radial | $415 00 |
| (2) 16 9x38, 6 ply Goodrich Silvertown Power Grip | $395 00 |
| (2) 15 5x38, 6 ply Goodrich Silvertown | $315 00 |
| (2) 15 5x38, 8 ply Goodrich Silvertown | $330 00 |
| (1) 13 6x38 6 ply Goodrich Traction Torque | $190 00 |
| (1) 13 6x38, 4 ply, Goodyear | $179.00 |
| (2) 13 6x38, 6 ply, Goodrich Silvertown | $250 00 |
| (2) 13 6x38, 8 ply, Alliance | $225 00 |
| (1) 9x38, 4 ply, Firestone | $110 00 |
| (2) 12 4x36, 4 ply, Goodyear | $170 00 |
| (2) 11 2x36, 4 ply, Safemark on rim, like new fits Farmall C | $255 00 |
| (5) 18 4x34, 8 ply, Farm Hand | $325.00 |
| (2) 16 9x34, 6 ply Concord similar to Goodyear | 235 00 |
| (4) 23 1x30, 8 ply Armstrong Max Trac | $530 00 |
| (2) 23 1x30, 8 ply Goodrich | $560 00 |
| (2) 18 4x30, 8 ply, Goodyear | $338.00 |
| (2) 18 4x30, 6 ply, Goodyear | $305.00 |
| (2) 16 9x30 Used on Rim For Pair | $510.00 |
| (2) 16 9x30, 6 ply, Goodrich Power Grip | $320 00 |
| (2) 18 4x28, 6 ply Goodrich Power Grip | $333 00 |
| (2) 14 9x28, 6 ply Goodyear Sure Grip | $206 50 |
| (2) 13 6x28, 6 ply Firestone All Traction | $180 00 |
| (2) 12 4x28, 4 ply, Goodrich | $149 00 |
| (2) 12 4x28, 6 ply, Firestone Field & Rd | $159 00 |
| (2) 12 4x28, 4 ply, Goodrich Power Grip | $149 00 |
| (2) 11 2x28, 4 ply, Goodrich | $149 00 |
| (1) 18 4x26, 6 ply, Goodrich | $298 00 |
| (2) 17 5x24, 8 ply, Industrial Armstrong R4 | $275 00 |
| (3) 9 5x24, 4 ply, Multi Angle | $95 00 |
| (2) 800 x 16 2 ply, Goodyear | $42 00 |

### FRONT TRACTOR TIRES
### 10% OFF THESE PRICES

| | |
|---|---|
| 4 00x15 4 ply, Goodrich | $23 00 |
| 4 00x19, 4 ply, Goodrich | $31 00 |
| 5 00x15, 4 ply, Goodrich | $23 00 |
| 5 50x16 4 ply, Goodrich | $27 00 |
| 6 00x16, 4 ply, Goodrich | $41 00 |
| 6 50x16, 6 ply, Goodrich | $43 00 |
| 6 00x16, 6 ply, Goodrich | $42 00 |
| 10 00x16 6 ply, Goodrich | $81 50 |
| (1) 11 00x16, 8 ply Goodrich | $98 50 |
| (1) 11Lx15 6 ply, Goodrich | $62 00 |
| (1) 11Lx15 8 ply, McGrery | $66 00 |
| 9 50x15, 8 ply Goodyear | $67 50 |
| 7 50x16, 8 ply, Penna | $56 50 |
| 11 60x16 10 ply Industrial Labor Tread | $135 00 |
| 7 50x16, 10 ply on wheel | $130 00 |

### TRUCK TIRES
### 10% OFF THESE PRICES

| | |
|---|---|
| (2) 6 ply 6 50x16 tube type traction tread | $59 00 |
| (2) 4 ply 10 00x15 Goodrich all terrain blem heavy duty pick up and van tire F E T included | $63 00 |
| (4) 6 ply 10 00x15 Goodrich all terrian F E T tax included | $67 00 |
| (2) 9 00x20 10 ply Goodrich extra traction | $145 00 |
| (3) 9 00x15 12 ply Goodrich | $138 00 |
| (2) 10 00x20 12 ply highway retread Mohawk Super Chief | $95 00 |
| (2) 8 75x16 5 8 ply mud & snow Severling | $69 25 |
| (2) 10 00x20 12 ply General Power Jet summer tread | $140 00 |

### SKID STEER LOADER TIRES
### 10% OFF THESE PRICES

| | |
|---|---|
| 12 00x16 5, 6 ply tubeless Uniroyal Traction Lug | $125 00 |
| 12 00x16 5 6 ply Firestone Dupler | $125 00 |
| 27x950 15 Turk Saver | $63 00 |
| 7 00x15 6 Ply, Steel Cap Steel Cap | $89 50 |
| 12 00x16 5 6 ply Firestone Lug Steel Shield | $139 00 |
| 590x15 Lug | $45 00 |
| (3) Used 10 00x16 5 Mounted on Gehl Wheels | $80 00 |
| (1) Used 4400 Gehl | $38 00 |

# BINKLEY & HURST BROS.

133 Rothsville Station Rd., Lititz, PA 17543
Phone: 717-626-4705

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

# CASH & CARRY DISCOUNT DAYS

## USED TRACTOR TIRES
## 20% OFF THESE PRICES

| | |
|---|---|
| (2) 16 9x30, 6 ply, mounted on 990 Davis Brown wheels, ½ tread | each $260 00 |
| (1) 14 9x28, 6 ply | $30 00 |
| (1) 16 9x38, 6 ply, 30% tread, Max trac | $135 00 |
| (1) 16 9x38, 8 ply, Goodyear, 10% tread | $88.00 |
| (1) 14 9x24 6 ply on 8 lug rim | $89.00 |
| (1) 18 4x34, 8 ply on rim for 930 Case, ½ tread | $125.00 |
| (2) 11Lx16 wagon tire | $32 00 |

## FLOTATION WAGON TIRE
## 5% OFF THESE PRICES

| | | | |
|---|---|---|---|
| 12 5x15, 10 ply | $54 00 | 9 5x15, 6 ply | $34 00 |
| 12 5x15 8 ply | $51 00 | 9 5Lx14, 6 ply, | $36 00 |
| 11Lx16 8 ply | $48.00 | 10 00x15, 8 ply, | $42 00 |
| 11Lx15, 8 ply, | $41 00 | 6 70x15, 6 ply | $27 00 |
| 11Lx15 6 ply | $38.00 | 7 60x16, 6 ply | $34 00 |
| 9 5Lx15 8 ply | $37.00 | | |

## NEW CAR TIRES
## 5% OFF THESE PRICES

| | |
|---|---|
| HR78 14, radial snow tread Goodrich | $49 50 |
| FR78 15, radial snow tread, Goodrich | $47 00 |
| FR78 15, radial, blem, summer tread Goodrich | $40 00 |
| (1) FR78 14, radial summer tread Goodrich | $45 00 |
| GR78 15 radial summer tread Goodrich | $53 00 |
| P195 75X14, radial, summer tread, Goodrich | $39 00 |

## SPEED KING AUGER TRANSPORTS — WITH FLEXI-BOOT HOPPER

SPEED KING Hi-Angle 6 & 8 portable grain augers

THIS WEEK SAVE ADDITIONAL **5% OFF** OUR ALREADY LOW PRICES

| | |
|---|---|
| 6"x27" PTO, 3' down spout | $1055.00 |
| 8'x27' Electric, 3' down spout | $1345.00 |
| 8"x34' Electric, 3' down spout | $1472.17 |
| 8"x41' Electric, 3' down spout | $1638.03 |
| 8"x53' Electric, 3' down spout | $2015.20 |
| 8"x53' PTO, 3' down spout | $2059.89 |
| 8"x60' PTO, 5' down spout | $2263.35 |
| 8"x60' PTO w/corn screen, 3' down spout | $2372.52 |
| 10"x51' PTO, 3' down spout | $2739.00 |
| 10"x61'PTO | $3137.00 |

**1 ONLY 8"x53' LONG PTO DRIVE**
WITH SLIGHT UNDERCARRIAGE DAMAGE
$2,059.89 Less 30% = $1,441.92

## USED MOLDBOARD PLOWS

Oliver Moline 4 bottom 16" Moldboard Plow, semi mount with Gauge Wheels, hillside hitch attach , less cylinder and hoses spring trip but not automatic reset,
**Reg Price $985 00, Less 20% This Week**

New Pittsburg 3 Pt Hitch 2 Bottom 16" Spring Trip Moldboard Plow with trash cover boards & hillside angle adjustment, ideal for small farms and garden plowing,
**Reg Price $840 00 less 10%**

IH 3 Bottom Trailer Type Plow, Model 70,
**Reg. Price $250 00, less 50% This Week**

Allic Chalmers 2000 Series Mono Frame Semi Mount Plow, 4 bottom 16" bottom with Hillside hitch attachment,
**Reg Price $1,825 less 20%**

Used Case 2 Bottom 14' Moldboard Plow, 3 Pt Hookup bottoms are like new, spring trip type,
**Reg Price $425 00, less 10%**

## BINKLEY & HURST BROS.
133 Rothsville Station Road
Lititz, PA 17543
Ph: 717-626-4705

## UNICORN FARM SERVICE
### JAMES E. LANDIS

**PATZ SALES & SERVICE**
**TERRE HILL SILOS**
**QUARRYVILLE, R.D.#2, 17566**
**CALL 786-4158**

**MANUFACTURERS OF FARM MATERIAL HANDLING EQUIPMENT**

| | |
|---|---|
| Gutter Cleaners | Silo Unloaders |
| Manure Stackers | Cattle Feeders |
| Manure Pumps | Material Movers |
| Manure Spreaders | Conveyors |
| Liquid-vators | |

## WE'RE $ HAVING Dollar Dividend Days

FORAGE HAYTOOLS & BALERS & COMBINES

**GOOD REASONS TO BUY**
LOW PRICES
INVESTMENT CREDIT
NEW HOLLAND REBATE

New Holland TR 70 Combine Cat, Hydro 4RN, 13' Platform
New Holland 310 Baler & Thrower
New Holland 315 Baler & Thrower
New Holland 355 Grinder Mixer
John Deere 950 Dsl Tractor

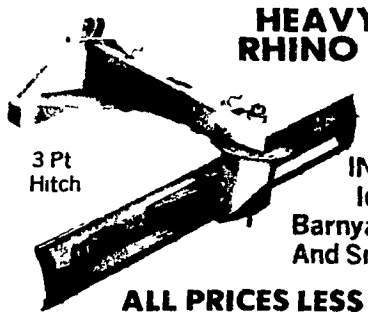
## Stanley A. Klopp Inc.
Bernville, Pa.
215-488-1510

**• SALESMAN WANTED - SEND RESUME**

## NEW CHISEL PLOWS BY RHINO
### Model 156 High Clearance,
**Cushion Spring Clamps w/Twisted Shovels**

5, 2 bar 3 pt hitch
$1,114 52 Less 30% = $780 16
7 2 bar, 3 pt hitch,
$1,355 51 Less 30% = $948 85
9, 2 bar 3 pt hitch,
9, 2 bar, 3 pt hitch,
$1594 80 Less 30% = $1,116 36
7 2 bar 3 pt Landoll
Special $885 00

## HEAVY DUTY RHINO BLADES




IN STOCK
Ideal For
Barnyard Scraping
And Snow Removal

**ALL PRICES LESS 20% OFF**

Rhino Model 100 w/8 ft blade
$299 00 Less 20% = $239 20
Rhino Model LR w/6 ft blade
$437 00 Less 20% = $349 60
Rhino Model LR w/7 ft blade
$476 00 Less 20% = $380 80
Rhino Model LR w/8 ft blade
$513 00, Less 20% = $410 40
Rhino Model BR w/8 ft blade
$912 00 Less 20% = $729 60
Rhino MOdel 900 w/7 ft
$974 00 Less 20% = $779 20
Rhino Model 900 w/8 ft blade
$1 005 00 Less 20% = $804 00
Rhino Model R2000 w 12 ft blade cylinder & Plainer wheel
$3960 00 Less 20% = $3168 00

## J I Case Needs a Few New Dealers

We are looking for enterprising businessmen who understand agricultural equipment retailing "We" being the J I Case Company Founded in 1842, Case now has over 3,000 dealers world-wide and an unsurpassed reputation for product quality, reliability and current growth

**If you think** that the farm equipment business requires involvement with many different product lines, you'll find Case an interesting exception As a Case Tractor Specialist, you concentrate on one major product line, agricultural tractors and related tillage tools, because Case builds nothing but tractors for the farm market

**Case Dealers sell** twelve basic tractors 43 to 300 horsepower Five models are under 90 horsepower four are the exciting new 90 series - 108 to 180 horsepower, and our three big four wheel drive tractors lead the booming 4WD market

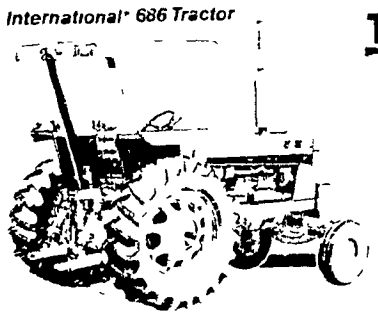
**High potential** marketing areas are available now Profitable Case light construction and outdoor power equipment contracts may also be available As a Case Tractor Specialist, you would benefit from liberal financing policies, attractive consumer terms and time-proven Case Rental Systems

**Case produce and policy advantages,** when combined with your own aggressive sales and management abilities, will afford you the opportunity to realize an excellent return on your investment

**Are you interested?** Please contact
**W M KIMBROUGH**
Dealer Development Manager
J I Case Company P O Box 50128
Indianapolis Indiana 46256, or call collect
**(317) 849-4770.**
J I Case
T Tenneco Company

case

*International® 686 Tractor*



## TRACTOR SPECIALS

★ **686 DIESEL TRACTOR**
• 2 Valves (Demo)
**$15,500**

★ **1086 DIESEL TRACTOR**
• Red Power Demo. with 20.8x38 Tires, Cab & Air, Rental
**$29,500**

• No Trades Except Late Model IH Diesels

### Call For Clearance Prices On This IH Equipment...

IH 1460 Axial Flow Combine w/6 Row Head (Used, Low Hours)
IH 843 Cornhead, 4 Row Narrow (Demo)
IH 810 15' Grain Platform (Demo)
IH 315 Packer Mulcher, 20' Folding (Demo)
IH 501 Disk harrow, 12'5" (New)
IH 475 Disk Harrow SOLD lew)
IH 720 6-Bottom On Land (Rent SOLD
IH 735 6-Bottom Vari Width (Demo)
IH 575 Manure Spreader With Hyd. End Gate (New)
IH 4586 With 24.5x32 Duals (New)
IH 4130 Skid Loader (Rental Unit)

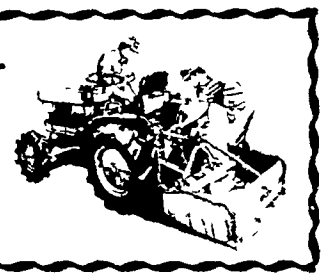
### Check These Prices...

**Super Specials!**
• All New Equipment (unless otherwise marked)
• All Prices FOB, New Berlinville.. No Trades

| | |
|---|---|
| Glenco Soil Saver SSP 78 (SOLD | $3695 |
| Tye Pasture Pleaser (Rental Unit) | $3095 |
| Poplarville Mainline 19' Folding Packer, Nodular Wheels | $3995 |
| Woods RB850-1 Rear Blade, 3 Pt. Hitch (Weathered) | $795 |
| Cordwood Model 101 Saw, 3 Pt. Hitch | $825 |
| 8x16 Bale Wagon with Steel Bale Sides And 8-Ton Running Gear | $1200 |
| John Blue 1000G Tractor With 1 Row Cultivator and Int. Cub Engine | $4295 |
| Fahr KH500 Tedders | $2200 |

★ WAIVER OF FINANCE AVAILABLE ON MOST NEW & USED EQUIPMENT...CHECK FOR DETAILS!

**SERVICE DEPT. SPECIAL**
(December & January)
• 10% Off All Parts Used In Service Shop
• Free Pickup & Delivery On Jobs Over $1,000.



## ERB & HENRY EQUIP., INC.
New Berlinville, PA 19545
Ph· (215) 367-2169
Winter Hours Daily 7-5:30; Sat 7-1

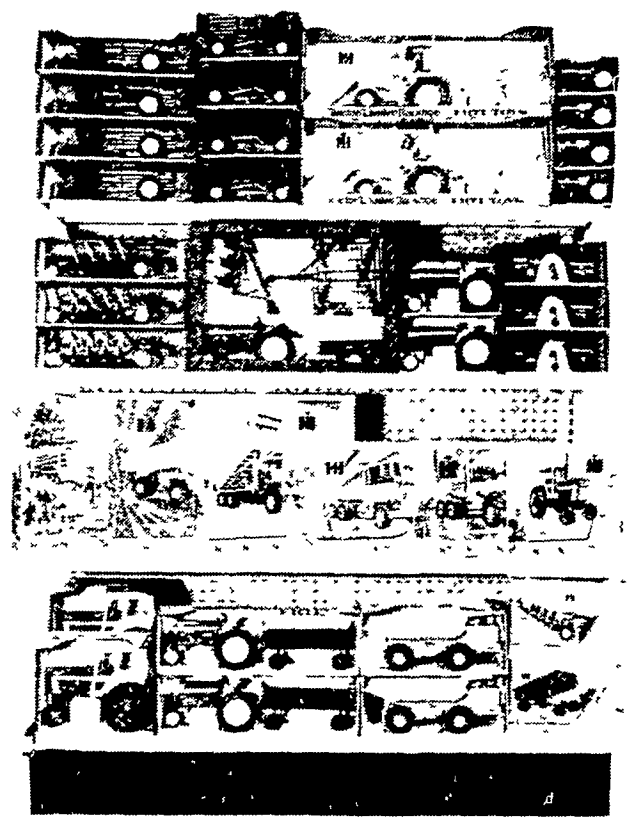
We're An IH Dealer!

# CHRISTMAS BELL RINGER SALE

## TOY SALE

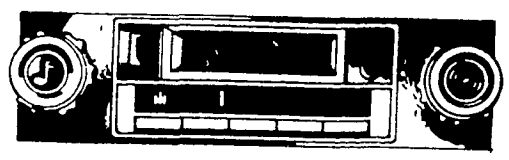
**RIDING TRACTOR 'N TRAILER** SPECIAL COMPLETE SET ONLY: **$99.95**

## 25% OFF ALL TOYS IN STOCK



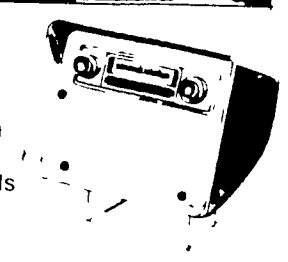
## INTERNATIONAL TOOLS Have A LIFE-TIME GUARANTEE

SAVE UP TO **24%**



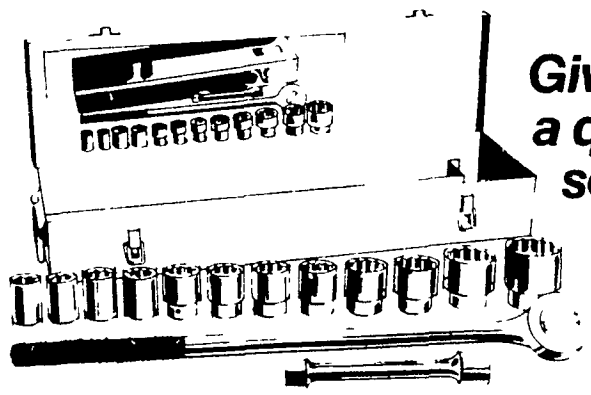
**Gift Radios**

Here s a merry suggestion for Christmas giving an IH radio especially designed for tractors and combines! It s a gift that will keep on giving enjoyment all year round Choose from four sale-priced models



- **AM-FM pushbutton stereo radio**
  Regular $170 00 **Special Price $129.95**
- **AM-FM stereo with cassette tape player**
  Regular $235 00 **Special Price $199.95**
- **AM-FM-CB stereo with 40 CB channels**
  Regular $381 00 **Special Price $299.95**
- **AM-FM fender-mount pushbutton radio**
  Regular $125 00 **Special Price $99.95**

**SAVE UP TO 42%**

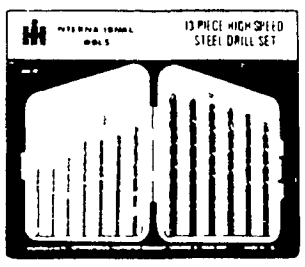


***Give him a quality socket set***

Fine tools are among the most appreciated gifts for any man And we have em—a complete selection of drive socket sets in both shop and field grade quality

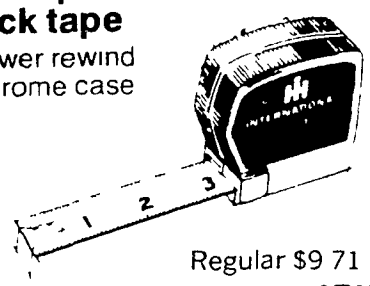
- **IH 15-piece ¾" drive socket set**
  Regular $175.00 **Special Price $99.95**

**Drill bit set**



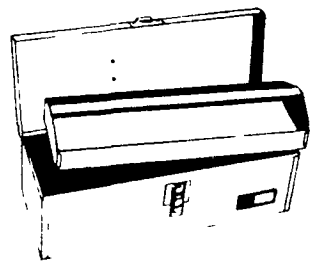

13 hi-speed drill bits
Regular $12 50 **Sale Price $10.49**

**12-ft. power lock tape**
Power rewind
Chrome case

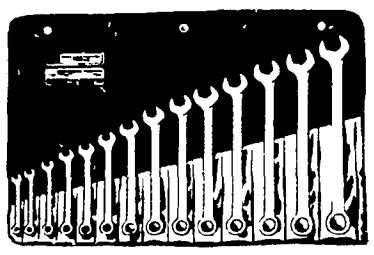


Regular $9 71
**Sale Price $5.95**

**All-purpose tool box**



Heavy-gauge all-steel
Regular $14 27 **Sale Price $11.95**



**14-piece wrench set**
Big value 32% off list!
Regular $103 50
**Sale Price $69.95**

# C.B. HOOBER & SON INC.

**INTERCOURSE, PA** **717-768-8231**

United Parcel Service

★ CALL US - WE PROBABLY HAVE IT ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

# WHAT YOU NEED IS A KRAUSE ROCKFLEX DISC

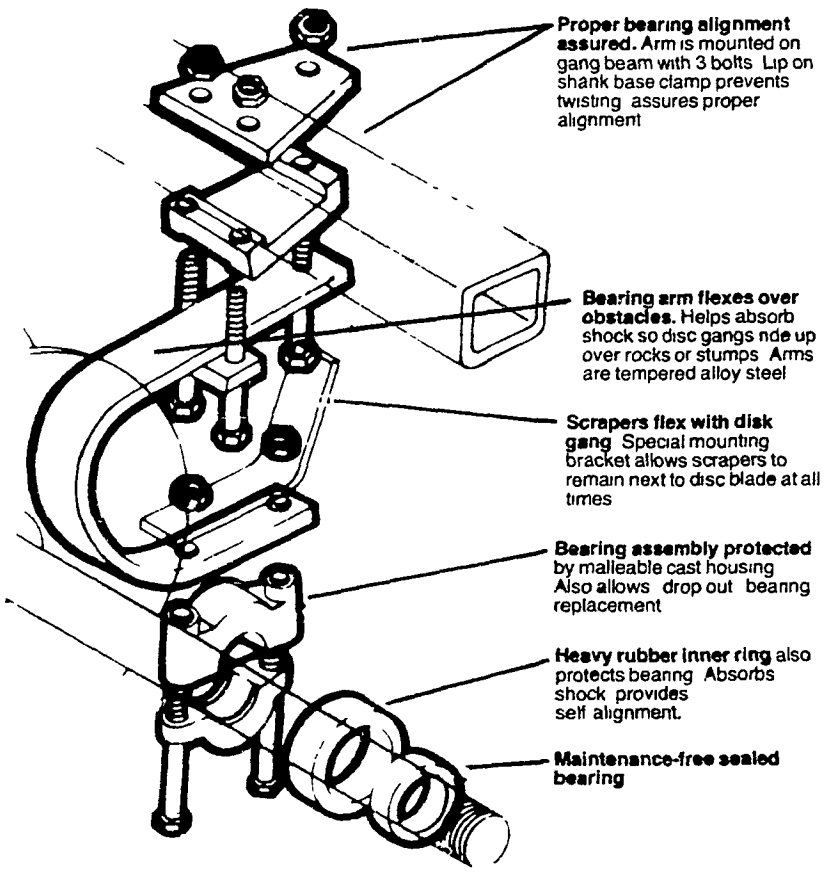
## WHY?

### BECAUSE OF KRAUSE SUPERIOR "ROCK-FLEX" BEARING ARM

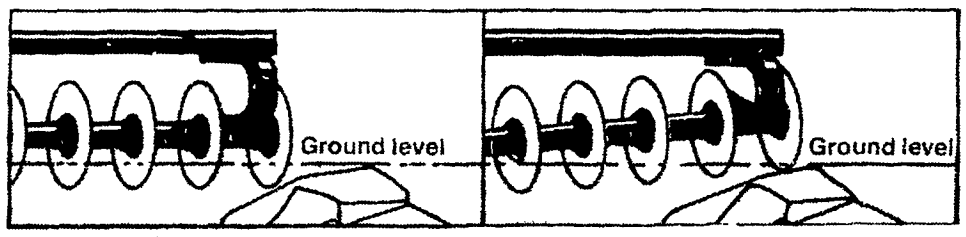
### AND HERE'S WHY IT MEANS GOOD NEWS FOR YOU!

**Unique C-shaped bearing arm:**

- Flexes over obstacles
- Protects disc blades from breakage
- Protects tie rods from bending
- Protects spools from breakage
- Absorbs shock — minimizes bearing wear
- Improves trash clearance


Proper bearing alignment assured. Arm is mounted on gang beam with 3 bolts Lip on shank base clamp prevents twisting assures proper alignment
Bearing arm flexes over obstacles. Helps absorb shock so disc gangs ride up over rocks or stumps Arms are tempered alloy steel
Scrapers flex with disk gang Special mounting bracket allows scrapers to remain next to disc blade at all times
Bearing assembly protected by malleable cast housing Also allows drop out bearing replacement
Heavy rubber inner ring also protects bearing Absorbs shock provides self alignment.
Maintenance-free sealed bearing

**A Krause innovation! The "Rock-Flex" bearing arm was invented by Krause in 1965.**




Normal working depth.

As disc encounters rock, C-arm compresses, allowing gang to ride up over obstacle.

## YEAR END SPECIAL:

### 2200 Series Discs

★ 12'3" with 9" Spacing ★ 13'7" with 9" Spacing

**At Old Price - While Stock Lasts**
**No Trades - Call For Prices**

---

## AXIAL-FLOW

Combine Headquarters in Eastern Pa.

**BUY YOUR COMBINE FROM A COMBINE DEALER 1460's IN STOCK**

Waiver Of Finance Till 9/1/81

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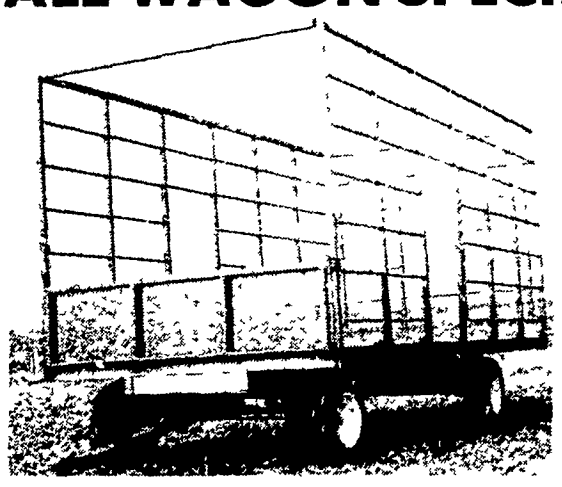
## BALE WAGON SPECIAL



**$1,625** WAIVER OF FINANCE TILL 3/1/81

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## TRACTORS

**IN STOCK**

**45 - 175 HP**

★ All Specially Priced ★

Waiver Of Finance Till 3/1/81

---

### USED COMBINES
**WAIVER OF FINANCE TILL 9/1/81 NEW AND USED**

Massey Ferguson 300 gas gear 2 row cornhead 10 platform
IH 815 763 cornhead & 13 platform
Deere 45 diesel gear 10' platform 2 row cornhead
IH 915D hydro 1976 1300 hours
IH 815D hydro 1973 744 cornhead 13 platform
Deere 7700 diesel hydro 1977 643 cornhead
IH 915D hydro 1976 1331 hours 28Lx26 tires Monitor 863 corn head 810 15 platform
IH 1460 axial flow diesel hydro A/C radio 1250 hours 844 cor nhead 820 flex platform 15
NI 704 Uni system 717 combine w 3 row cornhead
Deere 6600 diesel 1974 6 row cornhead
NI 702 Uni system w/729A picker sheller and 735 3 row head
AC Gleaner L2 w/A630 and A438 cornheads

### USED DISCS
**WAIVER OF FINANCE TILL 3/1/81**

Deere 440 offset like new
Deere 230 Tandem 21' cut with mulchers
Deere 220 Tandem single wing
Deere 310 Tandem like new 12 cut 25 blades notched front cone rear
Deere 330 Tandem 25 Flex wing 22 blades excellent condition
Deere 1630 Tandem Heavy Duty 13 cut
White 271 Tandem 18 cut w/spring cushioned gangs 21 blades new mulchers
Sunflower G3 22 Tandem 22 Cut 24 x ¼ blades new special price

### USED TRACTORS
**WAIVER OF FINANCE TILL 3/1/81**

IH F1466D w/cab 24 5x32
IH F806D clean
IH F1086D w/20 8x38 1976
IH F666D 1526 hours 1977
IH Farmall Cub 20 hours
IH 500 Crawler wide trac PTO
Ford 8000
IH 784D R/C 1979
IH F230 w/cult
IH 444 G w/Loader
IH F706 D
IH 186 D Hydro w/cab
IH F1066 D 1974 1500 hrs new engine w/cab
IH 464 D Utility
JD 4630 Duals cab & air 1700 hrs
JD 4630 Duals cab & a r 2500 hrs
JD 4240 Duals cab & air 700 hrs

**BUY NOW — PAY NO INTEREST TILL MARCH 1. RE-FINANCE AT LOWER INTEREST RATES NEXT YEAR.**

ALL NEW & USED PRODUCTS BACKED BY **HOOBER PARTS & SERVICE**

**RADIO CONTROLLED TRUCKS FOR BETTER SERVICE**

# C. B. HOOBER & SON INC.

INTERCOURSE, PA (717) 768-8231 AUTHORIZED UPS STATION

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

# Hollinger tractor co.

749 Rothsville Rd., Lititz, Pa 17543

(717) 626-1120
Call
Larry Hollinger
or Lee Dull
HOME
(717) 949-3451

'We want your business And we'll do our best to serve you says Larry Hollinger (left) and Lee Dull Lee is the latest member of the Hollinger team and well known in the construction business

### CRAWLER LOADERS

| | |
|---|---|
| Cat 951C w/ROPS | $17,500 |
| 955H | $9,500 |
| Cat 955 12A | as is $4,500 |
| Cat 977H w/cab 90% under carriage | $16,500 |
| AC HDG | $4,500 |
| AC HD 7GB, 1972 model | $8,500 |
| AC HD5 | $3,500 |
| JD 350C, Sharp! | $12,500 |
| JD 450C w/Backhoe, Sharp | $18,500 |
| (2) HD6 Slant Hood | $6,500 |
| Case 450, Sharp! | $8,500 |

### DOZERS

| | |
|---|---|
| AC 653 6 way angle dsl w/winch | $6,500 |
| JD 350 straight blade | $5,500 |
| JD 350B 6 way angle | $9,500 |
| D6C w/cab Sharp! | $32,500 |
| HD 5 w/angle blade and winch good | $5,500 |

### BACKHOES

| | |
|---|---|
| Bantam C-300 Crane | $8,500 |
| Ford 3400 | 4,250 |
| Case 580 | $6,000 |
| Case 580 Dsl needs work | as is $4,550 |
| Case 580B w/ROPS | $8,500 |
| JD 310 w/ROPS, Sharp! | $11,500 |

### GRADERS

| | |
|---|---|
| (2) Gradalls 2460 dsl U/D | ea $5,500 |
| AC-45 w/cab (diesel) | $6,500 |

### AIR COMPRESSORS

| | |
|---|---|
| Jaeger 125 | $1,750 |
| (2) Schram, Sharp! ready to go | ea $1,750 |

### MISCELLANEOUS

| | |
|---|---|
| (2) Winch to put on truck tractor | Make offer |
| Riding Sweeper | $950 |
| Hough HM w/rebuilt engine Sharp | $6,500 |

### TRAILERS

| | |
|---|---|
| Fruehauf 25 Ton 5th wheel | $3,850 |
| 25 Ton Hyster tandem axle Sharp! | $9,500 |
| Smithco | $2,500 |
| 1979 Trailmobile 42' w/sliding tandems | $9,000 |
| 1978 CMI hyd folding gooseneck 35 ton, like new | $20,000 |

### TRUCKS

| | |
|---|---|
| Mack B61 truck tractor w/wetline, sharp! | $4,500 |
| 1971 Mack F-Model Maxidine w/Jake Brake Tandem Axle | $8,500 |
| 1975 Ford Tractor, Louisville, Tandem Axle | as is $10,500 |
| 1972 Ford L9000, Louisville 238 Detroit, Ready To Go | $12,000 |
| 1969 Ford Dump, W/Air, Sharp | $6,000 |
| 1969 Ford Dump | $4,500 |
| 1968 Ford Dump | $5,000 |

### LOG SKIDDERS

| | |
|---|---|
| Franklin Log Skidder | $8,500 |
| Case 1816 Skid Loader | $3,500 |

### RUBBER TIRED PAYLOADERS

| | |
|---|---|
| 560 Int w/cab, 6 yard machine | $45,000 |
| Hough 90 w/cab articulate machine | $45,000 |
| W5 Case | Make Offer |
| 1979 Ford A62, Dsl , Articulating Machine, 850 hrs | $28,500 |
| Hough 30 | $6,500 |

# New Idea, Gehl, Hesston, Brillion Dealers

**ONE ONLY!**

Hdyra-Mac Model 9C Series III hydrostatic gear drive, 30 h p diesel w/850x15 flotation tires, 52" manure fork bucket and utility bracket

List Price **$11,026.** Straight Sale Price **$8,995**

f o.b Fontanna

NI 705 w/729A sheller, 738 corn head
NI 727 Uni Husking Bed
NI 725 3R Corn Head
NI 717 Combine
NI 737 Husking Bed
11' Uni Grain Platform
723 2 row corn heads
Will separate any above unit

COMFORT GLOW HEATERS IN STOCK Model GRF9

J/D 3 pt Log Splitters

ARPS 7' & 8' 3 pt Blades

FALL CLEARANCE ON BUSH HOG DISCS
(1) 1438 12'8" Width
(2) 1438 11'6" Width
(1) 1445 17'8" Folding Wing
(1) 146 12'2" Width Offset

BONUS ON New Hesston 1091 Windrowers in stock Also Bonus On New Hesston 6550 12' SP Windrowers

New BerVac S876 8' 3 pt Snow Blowers

## USED EQUIPMENT

Oliver 880 tractor
NI 214-217, 206 bu Spreader w/pan, Good Condition
NI 214-217 206 bu Spreader w/hyd endgate and top btr
NI 218, 318 bu tandem spreader w/hyd tail gate
NH 510 Single Btr Spreader, Very good condition
NI 213-215 3 btr spreader w/Gratz chain and hyd tail gate, very nice condition
NI 213-215 176 bu 3 btr Spreader
Hawk Bilt 157 Tank Spreader, RH Delivery, only 2 yrs old
(2) NI 404 Wheel Rake
NI #44 Hay Rake, Very Nice Cond
Lamco 16' 2 btr unloading wagon
JD 24T Baler w/thrower
IH 37 10' Transp Disc Harrow
Wic Straw Chopper, 7 h p in stock, call for demonstration
Gehl 72B Flail Chopper w/new flail knives, good condition
Gehl 120 Hydraulic Mix-All
IH 91 Combine
NI 2R Narrow Corn Picker, Very Good Cond
New Yorker 252,000 BTU furnace w/2 circulators

### THESE ARE THE ITEMS REMAINING IN OUR LARGE DUTCH AUCTION

The Prices will be lowered each business day until sold

| ITEM DESCRIPTION | STARTING PRICE 7/5/80 | DAILY REDUCTION | PRICE 12 13/80 | PRICE 12 15 80 |
|---|---|---|---|---|
| **USED EQUIPMENT** | | | | |
| New Holland Blower Hopper | $450 00 | $ 1 00 | $313 00 | $ 312 00 |
| New Idea 751 Hay Conditioner | 395 00 | 1 00 | 258 00 | 257 00 |
| New Idea 318 Grinder | 1450 00 | 3 00 | 1039 00 | 1036 00 |
| New Holland 469 Windrower 9 | 1895 00 | 4 00 | 1347 00 | 1343 00 |

**WE WILL ACCEPT AND HOLD BIDS ON ANY ITEM**

**UMBERGER'S MILL** FEED - GRAIN - FARM EQUIPMENT

Dial 717 867 5161 or 717-867 2613 RD #4 (Fontana) Box 545 LEBANON PA 17042

# TORQUE AMPLIFIER, CLUTCH & TRANSMISSION PARTS & SERVICE

## TA UNITS GUARANTEED UP TO 2 YEARS.

Rebuilt TA assemblies available for all IH tractors, New and rebuilt water pumps Dynalife clutches and pressure plates for A, B, C through 1586, also for most models of IH combines

If you are operating a shop or are a farmer who does his own mechanical work, then you will do well to compare the parts which I have to offer Complete TA assemblies for 706-1586 are priced from $525 and come with a Dana Co Heavy Duty Sprag clutch instead of the usual IH sprag The Dana Sprag is guaranteed for 2 years against failure Ramps and Carriers for older style TA units are priced $135 & $145 respectively, and carry a 90 day guarantee

We have most parts needed for TA repair in stock and are prepared to do complete installation at competitive prices

Shop is also now available for engine overhauls and other major tractor repairs
For a no obligation estimate or for information and references write or call me

**Dealer Inquiries Invited; Parts Shipped UPS, Bus or Air**

**J. EDWARD LEAMAN**

**RD #1, Box 474 Willow St., PA 17584**

**717-464-2874**

## COMBINES

JD 3300 Rotary Screen Cab, Air & 13' Platform with Pickup Reel
JD 4400 Gas w/cab, 13' Platform, & Pickup reel
JD 4400 Diesel, Cab, Air, Straw Chopper Choice of Heads.
Gleaner K w/cab & 12' platform
Late Model IH 715 w/cab, 13' Quick- Tach grain table, very nice

**GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES**

## TRACTORS

Ford 9600 w/Cab & (SOLD)
Ford 7600 Cab & Air 1100 hrs.
AC 220 Dsl. w/Cab
AC 200 Dsl. w/Cab
AC 185, like new 400 hrs.
JD 7520 Cab, Air Duals
JD 4630 4 Post Quad
JD 4520 D Power Shift
JD 4320D w/Cab & Air
JD 4430 Cab, Air, Quad
JD 4430 4 Post RG, PS
JD 4430 Cab, Air Power Shift 1977 Model
JD 4230 Cab, Air Power Shift
JD 4230, Cab, Air, PS, Quad Range
JD 4030 4 Post RG, QR
JD 4020 D, Side Console w/Cab WF
JD 4020 Dsl. PS & Synco Range
JD 4010 Dsl. WFE w/Cab
JD 2630 Dsl. Excellent
JD 2030 Gas Uti(SOLD)
JD 2020 RU Gas & (SOLD)
JD 3020 Dsl. WFE
JD 2030 Dsl. Utility
JD 2010, 1400 Hrs. Very Nice
IH 1466 Black Stripe, Cab & Air
IH 1468 Cab & Air
IH 1066 w/Cab
IH 574 w/2050 Loader
IH 856 D WF
IH 1256 Dsl. WF w/Cab Very Nice
IH 1256 D WF

## TRACTORS

IH 1256 D WF
IH 756D
IH 706 Dsl. 3 pt. WF
IH 806 Dsl. WF 3 pt
MF 180D, WF
MF 1085 D WF

## BALERS

JD 336 w/bale chute, (new)
NH 268 w/thrower

## HAYBINES

NH 479, Like New
NH 489
NH 477
NH 467

## DISCS

IH 37 8'
IH 46 11'
IH 500 12'
Bush Hog 146 Offset 11'
Proven Rock Discs
JD BWF 12', 14'
JD Wingfold 16' 6" thru 19' 10"
Also JD AW 12' & 14'
JD RW 8'
JD BW 19'6" New Blades

## PLOWS

IH 700 4 & 6 Btm.
IH 720 5 Btm.
IH 550 5 Btm.
JD 1450 5 & 6 Btm.
JD 145 3, 4, 5 & 6 Btm.
(3) JD Integral 3 Btm.
JD 2600 7 Base Spring Reset

ALLIS CHALMERS 7000 TRACTOR
w/cab and air, power shift, 700 hours
38" tires, excellent **$13,850.00**

## MISCELLANEOUS EQUIPMENT

JD 48 Loader w/60" bucket
NH 351 Grinder-Mixer
JD Late Model Hoe Drill 16x8 Fert & Grass Seed
John Deere 300 Pull Type Picker
Cabs Fit 706-1066
Gehl 72 Flail Harvester, Very Good
NI 299 Cut/ditioner, Like New
Cab To Fit Oliver 1850
Cab To Fit JD 3020 or 4020

**GUNTHER HEUSSMAN INC.**

So 5th St , Emmaus, Pa 18049 215-965-5203

## FARM EQUIPMENT

For Sale - Snapper Head (2-row) for Fox 3000 Chopper Excellent condition $1,000 Norfolk, Conn 203-542-5967

## FARM EQUIPMENT

For Sale - Wrecked MF 185 diesel (broken rear housing), AC D17 diesel, JD 224 wire tie baler, Union Co 717-568 7271

## FARM EQUIPMENT

Attention Amish! New Holland 273 Baler with bale chute, excellent condition, 3 years old Call after 7 p m 717-949-3074

## FARM EQUIPMENT

Used Western 1 ton roller, $1500
**DENNIS M. MILLER EQUIPMENT**
Rt 22 Grantville, PA
717 838-1888 anytime
717-469-0937 daily

COMBINES 1976 JD 6600 D w/grain & choice of corn heads, 1975 Int. 715 diesel C.A. 23" tires w/grain and corn.

Gleaner F2 diesel, cab, air, grain saver, used 300 hrs. w/grain and 430 corn head. Gleaner G diesel w/cab and grain. 76 Int. 715 diesel w/844 corn head and 810 grain head. Int. 715 gas w/844 corn and 810 grain head. 1973 John Deere 6600 diesel w/2 heads (clean), JD 4400D w/air & both heads, Oliver 25 w/cab.

MF 760 diesel hydra with grain and 6 row corn head. MF 300 combine w/cab and grain, Int. 82 Pull Type (clean). Gleaner F w/2 heads Late model Int. 303 w/cab & 2 heads.

JD 7700 D w/grain & corn head, Gleaner K w/cab, 10 ft. grain, K240 corn head MF 510D Quick Tach w/both heads.

Corn Heads JD 643, 444, real nice JD 443, 343, 344, 244, 435N for 95, 335, and 313 for 55C, 435, 434, 334, 235, 234, Massey Ferguson 44, 63, 43, 24, 222, 422, Gleaner G435 L438, 430, F440, F438, A430, E240, K238, F335, F330, K330 Int. Int. 863, 844, 843, Int 863 six row for 32" rows. 744, 743, 227, NI 4-row 40" heads, Case 3 row 30", Case 4 row 40", 50 corn heads to pick from on our lot. M 430 Gleaner, Int. 6 row 30" for 503, new JD 444 corn heads, NH 4 row 38" C H New MF 44 C.H for $6375.00. (Skid Loaders) Bobcat 720 & 700 Hydro.

TRACTORS & EQUIPMENT JUST PURCHASED. JD 4840 w/450 hrs.; JD 4230 C A. QR; JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; '70-4020 WF, '67-JD 4020 WF dual hyrd; New Farmall 1086 cab & air, New Farmall 886 cab and air, Used White 2-155 w/Duals.

Used Farmall 706D WF & 3 pt.; Case 995 (SOLD) like new; Case 1030, MF 165 w/loader & backhoe; (2) AC D17 IV w/3 pt, New NI 324 picker w/super sheller; New JD 3 pt. roller harrow; JD 7000 4-row planter w/no-til attch

CORN PICKERS - (new) N.I. 324 w/12 roll bed; New New Idea 325 w/12 roll bed, Used (3) N I. 324 w/12 roll bed, NI 325 N w/12 roll bed (325 N. w/sheller), used 323 one row, NI 311 two row pull, NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. JD 300 Husker w/244 corn head. Int. 234 w/12 roll bed.

John Deere 8630-4 Wh. Drive w/3 pt. PTO & Dual Wheels, real nice, also AC #2600 - 28 ft. Hyd. wing disk, like new, J.D. 7520 w/3 pt. & Dual Wheels, J.D. 220 hyrd. fold wing disk; 1972 JD 4020 w/dual hyrd. JD 2520 D real (SOLD) nice. Farmall 966 original, Farmall 656 gas WF 3 pt.

JD 4630 C.A. Power shift w/front wheel drive (real clean); New JD 4840, (Tractors w/Loaders) JD 2020D w/145 loader like new, JD 4020 w/58 Loader, Int. 544 utility D w/2250 Mount-O-Matic Loader, Int. 606 w/2000 L, Farmall 1206 w/cab, AC 185D w/300 hrs., like new: 1967 JD 4020D. power shift, D.L. dual hydraulics; AC D17 D, W F.; Int. 606 Utility D; Ford 4000 Utility D; Ford 1800 Loader & Backhoe; New J.D. 11' mulch tiller, New JD 12' chisel plow, Cub 154 LoBoy.

Case 930 CK w/5X Plow, JD 3010 gas.

Just Received New J.D. 2940 w/front wheel drive, New JD 4040 QR and fenders, NEW JD 4240 4 post QR. New JD 4440 cab, air, power shift, New JD 4440 C.A., quad., JD 4000 diesel

Used JD 4240 C, A, P.S., 4010 gas, JD 4430 C.A. QR, JD 3020 (2) side console, 4020 side console gas. JD 2030 w/ Hi & Lo

New White 2-105 w/cab; 1971 J.D. 4020 w/roll guard, cab, air, dual hyd (real sharp), 1970 JD 4020 w/roll guard; JD 4320 w/cab, 2- JD 1970 4020 w/dual hyd., 1970 JD 4020 Power Shift & Dual Hyd., JD 2510 gas, Farmalls; 666 w/cab & (SOLD) air. Farmall 806 diesel, JD 3010 (SOLD) Diesel. Farmall 350 w/P.S. & F.H.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., Used 986 cab & air, used 686 w/cab & air, 1566 w/cab, 766 D; 1466 w/cab, 1026 Hydro w/roll-guard, Farmall 666 diesel, 86 hydro D w/rollguard, Farmall 544 WF.

Tractors & Eq. - Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Gleaner E Combine w/cab, grain and corn head, Farmall 1206, nice 856 original. A.C 210D, w/new 20:8-38 tires, Farmall 856 w/no TA $6800, 460 Gas w/F.H.

J.D. 4320, Farmall 756 gas. 806 tri. diesel, 560, 856 w/front wheel drive, 1206 w/front wheel drive, Farmall Hi Crop-656 diesel, 756, 300.

HARVESTERS. New Holland 770 w/2 row, M.F. 260 w/2 row head, Fox Super 2000 w/2 row narrow & elec. sharpener. J.D. 38 Chopper w/2 row, JD 3800 w/2RN C.H., NI 702 Uni gas w/chopper & corn head $5,900.00. NH S717 - 1 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Int. 2 row 30" for 650.

JOHN DEERE Used JD 4030, 4520 w/triple Hyrd., 5020 tractor puller, 1968 4020 power shift, JD 3020 gas w/cab; JD 4010D w/W.F. 630 w/3 pt., 60 w/p.s., 70 w/p.s.

Farmall (new) 1086 cab & air (SOLD) priced right.

FARMALLS: 1978 1586 w/cab fully eq. w/duals, used 400 hrs. like new for $26,500. 1566 black stripe w/cab; 966 black stripe w/roll guard, 1206, Farmall 656 Diesel & 656 gas 1466 w/cab, 766, 1456, 806, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice, Super M w/live hydraulic, M for $975.00 H w/loaders, 706 Gas w/F.H. - rough as is $1900.

CASE Used 1370 cab, air power shift w/1000 hrs. (SOLD). New Case 2090 w/cab & air, P.S. 730, 970 w/P.S. 1170 w/cab, Case 1030 D; Oliver 1950T w/cab, 2050, 1800, 1855 w/20:8 tires real nice. 1650D., 1750D.

MASSEY FERGUSON new 1105 w/cab, & 20:8-38 tires for $19,500. MF 2805 used 600 hrs. 185 H.P. w/dual wheels, 1130D, M.F. 1085, 135, Super 90D

ALLIS CHALMERS Used 7010 C.A.P.S., 7040 w/cab, power shift like new $19,500, 220, 210, AC 180D, MM S670 diesel

COMBINES - JD 7700 Diesel w/Fire Damaged cab. MF 510 D w/fire damage, Gleaner CII diesel w/4 row corn head, NI 702D w/rebuilt engine. 702, NI Super chopper, new 3 row 30" corn head, N.I. Demo 768 WN 3 row head, N.I. 702 Uni tractors w/combines & shellers, 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, used M.F grain heads used J D. 213 flex heads.

Hay Equip. Specials.

BALERS - NH 320 w/thrower like new, Used 277 w/thrower, JD 346 Baler w/thrower, 336 w/thrower

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New JD 1207 for $3675. Used NH 469, JD 640 rake.

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Case 530 C.K. diesel L & B, Case 480B loader and backhoe, JD 440 loader & backhoe, JD 450 Crawler L & Backhoe Int. 3500 L & B Case 580 L & B, D8 Cat w/blade, Cat 955K crawler loader.

CORN PLANTERS - (Just Rec) New JD 6 row & 4 row conservation planters, New & Used 7000 JD 4 row w/Inst. Used JD 7000 6 row liquid w/inset., monitor and no-til attch.

New Int. 400 - 4 row air planter for $3250, New JD 8300 double disk grain drill, new Case 6 row 3 pt. hydr. fold field cult., 2 - J.D. #360 12 ft. offset disks, Wheelback 12 ft. offset disk JD RWA disks.

Ontario 16 disc w/grass seed White 5x18 auto reset plows; J.D. and Int., & Oliver 4,5,6,7 trip and resets. New Glencoe SS7 shank Soil Saver $4595. or with culti-lift harrow complete for $4950, JD 210 Disc, Case 4x18 auto reset plow used 20 acres. (Bush Hog 12 ft. Discs, new;) Brillion & J.D. 13 ft. cultimulcher w/inside wheels, White 3 pt. 10 ft. Chisel Plows, NH 346 Tank Spreader. New White 14 ft. field cult., Kawanee 22 ft. wing disk. Four row stalk shredders 950.00.

LOADERS - Int. 2350 JD 58, MF loader for 1105, JD 46A loader, Int. Fast hitch 3 pt. adapters, 3 pt. hitch for 630 and 730 JD tractor.

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Oliver 1800 diesel
Ford 5600 Dsl

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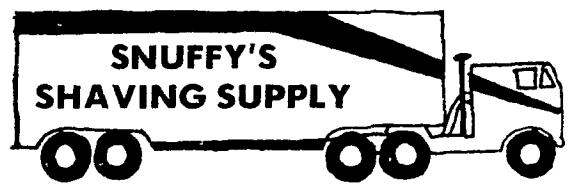

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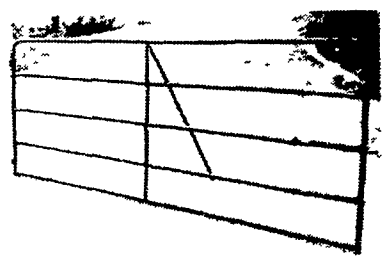

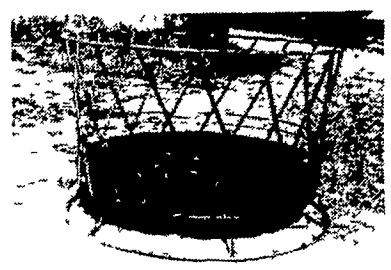

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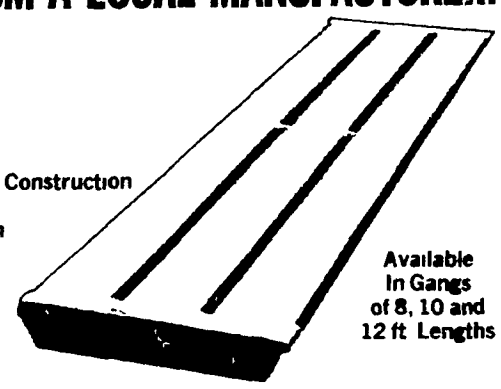

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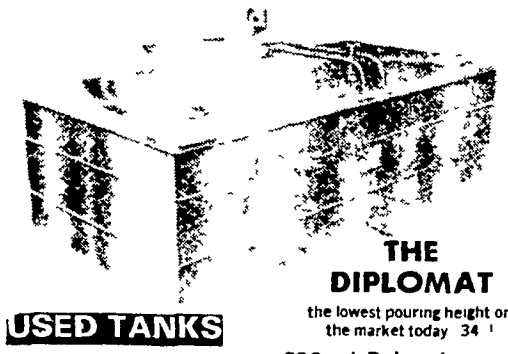

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CATTLE

For Sale Polled Herefords, cows, heifers, bulls & feeder calves Chester Co 215 269 1994

Herd of 80 grade Holstein cows and springing heifers for spring 1981, mostly sired by Atlantic bulls 717-263 4471

11 Holstein grade heifers, 500 lbs vaccinated and dehorned Also 6 reg Holstein heifers, 12 months old Levi M Stoltzfus, 31 E Eby Road eola PA

or Sale Holstein heifers bred to freshen summer 81 717 542 4825 after 5 P M

Registered Holstein bull by Kingpin Born 10 29 79 Dam 84 pts with over 20,000 milk & 750 fat $650 215 847 2619

50 ABS heifers or cows close or fresh, 717 547 2387

Registered Holstein bulls, 1 year old and younger Out of dams with records to 24 000 milk and 900 fat Stump Acres 717 792 3216 York County

Wisconsin and Canadian Dairy Cows For Sale 1st, 2nd, and 3rd calf Fresh and close springers Cash, or credit with down payment Specialize in selecting cows for customers Free delivery Call collect Reuben Greenberg, Inc, Columbus, New Jersey 08022 Phone 609 298-1021

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I am an order buyer and trucker of feeder cattle, have many satisfied customers in your area, if interested in ordering cattle call collect 703-465 5785 between 8 10 p m

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For Sale Jersey cows Registered 814 652 6577

For Sale Service age Holstein bulls Dams classified VG with records to over 24,000M & 1,000F John Stump, Bernville Pa Ph 215-488 1965

Wanted Entire dairy herd, also, bred Holstein heifers Will pay $25 more per head than the going price Don't sell until you call me Call collect Reuben Greenberg, Inc, Columbus, NJ 609 298 1021

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Buyers & Sellers of Livestock - Be sure to check the advertisements for cattle in the Lancaster Farming You ll get results! 717-394 3047 or 717 626 1164

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Dairy Cows, fresh and springing to pick from Also 2 herds for sale Call 717 252 4206

Charolais polled bull with scurs older proven bull and several young service bull 717-442 8104

CATTLE

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Holstein heifer, 6 months old, $400 215-297-8779

For Sale 6 registered Holstein calves, 2½ months to 6 months Cash or certified check only No calls Sat 215-926 1428

For Sale Registered Holstein heifer A Jet stream dau Due to freshen soon 215 678 7813

4 heifers due to freshen anytime, 717 263 9091

For Sale - Registered Holstein heifer due beginning Dec Sire 15H157 Dam has records of 22,881 of milk & 872 Fat Christian Zook, R D 2, Gap, Pa 717-442 4316

For Sale Grade Holstein heifer, breeding age 717 393 4732

Holstein bull sired by Jemini 1 yr old, 25000 lb dam $800, 301-592 7992

For Sale - 3 Holstein bred heifers, large in size, calfhood vaccinated, Berks Co 215 987-3700

10 fresh Holstein heifers available Priced reasonably 215-837 0716

For Sale Registered Holstein heifer due Dec 28 717 463 2394

For Sale 3 mo old grade Jersey heifer, sired by Briarcliff Soldierboy vaccinated & dehorned, Montgomery Co 215 947 0968

CATTLE

For Sale Three stock bulls 717-786 2975

For Sale - Reg bull, 13 months old, sire Cavalier, dam vg Bootmaker, 26357M, 4 1%F, 1073F, grandam vg 88, excellent mam, 19000M, 4%F, $600 717-867-4516

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200 Top fresh and springing Holsteins Take all or pick Call 914 634 6689

For Sale 4 Registered Guernsey heifers, 6-12 mo old healthy and nice sized, All were sired by Curtiss Bulls, 717 529 2382

For Sale 3 Springing Registered heifers, all due in December and January Sired by Sire Power bulls, Lancaster Co 717 733-4519

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HORSES & MULES

HORSES & MULES

CATTLE

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For Sale - 2 Holstein cows due late Dec $1200 ea Lebanon Co 717-865-3488

'Performance Tested Bulls" now on hand
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2 year old ½ blood Chianina will sire ¼ blood calves
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HORSES & MULES

1 pair big blonde sorrel mules, 4 & 5 yrs old, broke, ready to go, good workers, 1 Oliver radex 14' 2 bottom plow, good condition, Ivan K Stoltzfus, Rd 1 Box 101 Narvon, PA 17555 About 1½ miles southeast of Churchtown turn right at Twin Valley Bible Chapel, first farm left hand side on Churchtown Rd

For Sale - pair of 4 yr old bay work horses 717 786 3394

Two Horses Missing from Peach Bottom Wakefield area, 1 Palamino and 1 Buckskin Any information please call collect 717 764 0629

HORSES & MULES

Notice - Registered American Saddlebred Stud Service, sorrel with white markings, real fancy $10 00 down, $40 00 with live colt Driving horses For Sale Isaac S Zook, South of Intercourse

For Sale - 7 yr old mule, broke, works on either side George B Leid, R R 1, East Earl, Pa 17519 Lancaster Co

Purebred Arabian mare, bay, halter broken, 3 yr old, York Co 717 235-6663

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Bernville, Pa 19506
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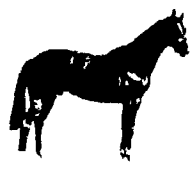

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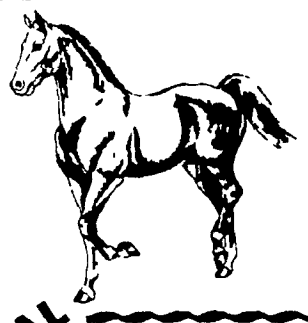

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**SPECIAL**
**LOAD OF 10 BIG CARRIAGE HORSES FROM KENTUCKY. 1 LOAD OF SADDLEBRED HORSES AT NEW HOLLAND SALES STABLES**
**MONDAY, DECEMBER 15 - 12:30 p.m.**

**Horses will arrive at farm Dec. 11**
**Don will Be At Farm Dec. 11, 12, 13**
**Horses hitched at 9:00**
**For Private Sale Please Call**



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**Rd 1, Leola, PA 17540**
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**This Is The Last Load For This Year**

HORSES & MULES

AT Stud Indian Run King, Registered Morgan, Joseph Esh, 2151 Forry Rd, Lancaster, PA 17601

Free Stud Service for one mare, 16 hands, standard bred, black beginning of December. Want to check if fertile Paul Stoltzfus, 55 S Harvest Road, Bird-in-Hand, Pa 17505, ½ mile South of Kauffman's Fruit Farm off Rte. 340

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Saanen goats, bred yearling does & 1 breeding buck Must sell 215-766-8243

Nubian registered Purebred goats available Mating service $25 Buck's nearest dams' 305 days average 2900 lb milk Show quality GETTYSBURG 717 334-7993

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For Sale - Flock of reg Suffolk ewes bred to lamb in January, quality show stock, also reg rams and bred commercial ewes Reasonable Northumberland County 717 742-3591

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For Sale - Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines Willow Glen Farm, R2, Strasburg, Pa 717 786 2562

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Mark Nestleroth
717-665 2588
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For Sale Spotted boars 6 littler mastes and full brothers to 1980, York Co First on foot & champion carcass barrow Hobart W Muller, New Oxford, Pa 717-624-2320

For Sale - Service Age Chester White Boars, crossbred feeder pigs, can deliver Doug Hancock RD 1, Honey Grove PA 717 734-3619

For Sale Quality Landrace Service age boars Lebanon Co, Pa 717 865 4813

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Open Hampshire & Yorkshire gilts Also ser vice age boars of both breeds from certified meat type breeding Will deliver Contact John Strawbridge, Stewart stown, PA 17363 301 996 2022 Call bet ween 6 7 30 A M or after 8 P M

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For Sale 9 units of Poverty Hollow Burkgov Demand 717 393 4732

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For Sale Simmental semen from Johnny Reb s Pride PB17 grand cham pion get of sire at Iowa Livestock Expo Lauxmont Farms, Rd 1 Wrightsville PA 717 252 3640 weekdays between 8 30 a m & 5 p m

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For Sale Chester White & Spotted boars & gilts Can deliver James Parlett Airville, Pa 717-862 3610

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We buy sell and haul all kinds of poultry Yank s 215 494 4578

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NOW AVAILABLE rare Japanese Phoenix fowl with beautiful long-flowing tails, Blue Ribbon Prize winners wherever shown Good Layers Mature Cockerals $10 each ALSO AVAILABLE prize winning miniature New Hampshires Hat ching eggs available in season reserve now Happiness Hills Farm RD3, Addison, NY 14801

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* Fowl
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100% protein liquid silage fortifier and preser vative, from Manufacturer Wholesale Retail dealer inquiries 301 343 0343

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For Sale Brigh 1 Wheat straw, mixed hay, 1st & 2nd cuttings will deliver Stump Acres, York Co 717 792 3216

For Sale Wet brewers grain 201 875 5182

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Hay For Sale 215 598 7061 598 3001

Hay For Sale Mixed Timothy/clover, also timothy 717 432 9704 Blair Mt Farms Dillsburg, PA

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Ear Corn & Shelled Corn
**RONALD S. KEENER**
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For Sale - Oyster shells Contact Nelson Weaver & Son, Inc , Lititz, Pa 717 626-8538

32% LIQUID PROTEIN from manufacturer Wholesale, retail, dealer inquiries invited 301 343 0343

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**ProLasse 8%**
All Natural Molasses Base Liquid Protein Make sweet feed with any P T O mixer, From manufacturer Wholesale, retail, dealer inquiries in vited 301-343-0343

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For Sale 100 round bales of mixed grass hay Can deliver 301 734 6477 Harford Co MD

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Peanut Hulls,
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## POULTRY & SUPPLIES

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FEED & SEED

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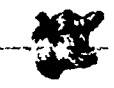

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Mature person to maintain grounds of estate in Delaware County, including groomed lawns and plantings pasture with small herd of steers and vegetable garden Must have experience in these areas and of farm machinery 3 bedroom cottage provided Send resume and references to PO Box 366 L 125 Lancaster Farming, Lititz PA 17543

Experienced person to operate modern machinery and do some milking on large dairy farm in S Lancaster Co 717 786 3591 for details

Mature responsible experienced farmer needed to manage and take care of crops and maintain facilities, good salary and benefits 201 891 8340

Immediate opening for young aggressive individual or couple looking for a future as a layer production and farm manager with a growing firm in northeastern Penna Pay and benefits to commensurate with ability, experience and productivity Housing facilities provided Reply to P O Box 387 Ephrata Pa 17522

Full time job on 900 acre Lehigh Co grain potato & poultry farm Experience in general farm work preferred House available Donald Lichtenwalner Farms Macungie Pa 215 965 5214

Parttime dependable spreader truck operator Zook & Ranck, Inc Rd 1 Gap, PA 17527 717 442 4171

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**Person for Animal Husbandry For Growing Embryo Transfer Business.**

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Desire creative self starter in sale of feed storage equipment & automation. Above average income possible Agricultural & sales background necessary Car necessary; no overnight travel Protected territory. Full company benefits.

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Need 4 or 5 Amish to help erect 80'x250' steel building Must be handy at this kind of work Will arrange for transportation if necessary Between Dec 15 & Jan 15 York Co Call collect 717 792-9930 eves or write Paul W Gilbert Rd 10, Box 10, York, PA 17404

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Assistant herdsman for large modern dairy operation Lancaster Co, Write Box 366 L 124 Lancaster Farming Lititz, PA 17543

Experienced help to operate modern farm equipment and feed cattle, housing privileges, 215 869 2527

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Part time work on broiler farm 6 room house for rent to same party Tenant can have a full time job References 717 569 1584

SALES OPPORTUNITY Leading mineral supplement and silage additive company seeks sales persons for profitable areas in New York and Pennsylvania Both full time and part time positions available Livestock or farm background preferred We supply the technical background product information, training product, support and compensation, you supply the time and effort For more information call or write ISF CORPORATION, P O Box 29 Waverly, New York 14892 Tel 607 565 2805

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Area Sales Manager position Aggressive, creative & highly motivated person to sell field-bottom unloading silos in 16 County area Prefer Bedford-Fulton Co residence as this would be the center of the area Must have agricultural background & have at least 10 yrs of successful selling of agriculture products Pay & benefits commensurate with ability experience & productivity Reply to Box 366 JH 137 c/o Lancaster Farming, Lititz Pa 17543

ASSISTANT HERDSMAN/MILKER for 200 cow operation Housing Hospitalization Electric Milk, Beef and garden spot provided

Call 703 591 5329
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## WANTED

**Someone to custom combine narrow row corn in Juniata Co.**

**717-761-0651 eves.**

## HELP WANTED

**Grain system specialist. Must be experienced in all areas of sales, service, and installation. Should have experience in commercial and farm systems. To $15,000 salary and commission and company car and expense account. Must be willing to travel overnight.**

Send resume to Box 366-J-122,
c/o Lancaster Farming,
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JOHN COPE'S CORN PRODUCTS

# SWEET CORN GROWERS AND HARVESTER OWNER-OPERATORS

### GROWERS:

**Needed to grow contracting sweet corn acres for our new modern processing plant.**

A. **Rates:** $50 through $56 per ton subject to distance from plant

B. **Planting:** 38 inch and 30 inch rows. Contract planting services available with new air planter

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D. **Advantages:**
1 Shorter growing season than field corn
2 Guaranteed Rates - 90 Day Terms

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**Needed to harvest large sweet corn acreages in Northern Maryland, Delaware and Central Pennsylvania.**

A. **Rates:** $20 per Acre plus Fuel

B. **Equipment Desired:** New Idea Model 708 or 709 Uni-Systems Special attachments provided at no charge

C. **Transportation of Equipment:** Provided on specially equipped low-boy trailer

CONTACT: Thomas A. Graby
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Phone 717-367-5142
7:30 a m - 5:00 p.m. Weekdays

## HELP WANTED

## HELP WANTED

**FARMERS — ARE YOU LOOKING FOR WINTER WORK?**

**Retail oil delivery driver, must be somewhat familiar of Gloucester Co. area. Top wages for a productive individual.**

**Send resume or Call**

**THE OIL MAN CORP.**
**Box 292, Delsea Dr.**
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Experienced person to work with reg Holstein herd house and benefits, etc Available Jan '81 State previous experience and references Send reply to PO Box 366 A 2, c/o Lancaster Farming, Lititz, PA 17543

## SITUATIONS WANTED

Experienced young man 38 desires dairy farm work Write P O 1772 Newcomer Rd, Chambersburg, Pa 17201

Couple desires field & dairy work on Christian Lancaster Co Farm Available Jan 30, 1981 W Mosimann, Rt 7, Box 152 Manheim, Pa 17545 717 898 8578

Young experienced responsibility married man seeking weekend dairy work-Friday P M - Sunday P M Bucks and Montgomery County Mike Wright, 25 West Walnut Street, Souderton, Pa 18964

Experienced young Mennonite couple looking for dairy farm to rent, 25-30 cows Have cows and machinery 717-867-4808

Father & Sons would like to take over management & all job related work on a large dairy operation with the option to buy out in 3 to 5 years Experienced in dairying & crop farming, very mechanically inclined Most maintenance done on the farm This setup would be ideal for a dairy farmer who is wanting to retire, his health or labor problems Need two homes, possible some money up front Prefer New York or PA Call after 7 P M 717 244-5824

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For Sale 1972 Ford F 500 with 14 livestock body, good condition, 914 457 3774 after 7 p m

For Sale 1968 Int 1800 Load Star, excellent condition with Midwest twin cylinder grain dump body 215 256 9343

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For Sale 1965 GMC 4000, V 6, 22 ft bed, $1 250. Also, 1972 International 1800 cab and chassis will take 22 to 24 ft bed Both good hay trucks Phone 717 432 4598 after 5

For Sale 1973 int grain truck, 26,000 GVW with new 16' Midwest body & new 14 ton hoist 717 865 6710

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**BRAND NEW 1981 DODGE ARIES K-CAR SPECIAL EDITION 2 DOOR SEDAN.** Pearl White with tan vinyl bucket seats light package power disc brakes console mounted automatic transmission 2 6 litre engine digital clock deluxe time delay wipers vinyl body side molding, power steering road wheels white sidewall radial tires **FRONT WHEEL DRIVE.** **$7566**

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**BRAND NEW 1981 DODGE ARIES K-CAR CUSTOM 2 DOOR SEDAN.** Pearl white with red cloth & vinyl interior tor queflite transmission 2 2 litre engine vinyl body side molding, upper door moldings, white sidewall radial tires **FRONT WHEEL DRIVE AND 6 PASSENGER SEATING.** **$6566**

Stock No 1037
**BRAND NEW 1981 DODGE ARIES K. KAR CUSTOM 4 DOOR.** Light seaspray green metallic with cloth & vinyl bench seat basic group power disc brakes automatic 2 6 litre engine lower body vinyl protection vinyl body side molding upper door frame moldings heavy duty suspension **$7366**

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**BRAND NEW 1981 DODGE ARIES K-CAR CUSTOM 4 DOOR SEDAN.** Burnished silver metallic with red cloth & vinyl in terior torqueflite transmission 2 2 litre engine remote control out side mirror vinyl body side molding upper door frame molding power steering white sidewall radial tires, front and rear bumper guards **FRONT WHEEL DRIVE AND 6 PASSENGER SEATING.** **$6866**

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**BRAND NEW 1981 DODGE ARIES K-KAR CUSTOM 2 SEAT STATION WAGON.** Light Seaspray green metallic with vinyl bench seat Torqueflite automatic 2 6 Litre engine left side remote control mirror vinyl body side molding, upper door frame molding, power steering radial tires **FRONT WHEEL DRIVE AND 6 PASSENGER SEATING.** **$7266**

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**BRAND NEW 1980 DODGE W-200 FOUR WHEEL DRIVE SNOW COMMANDER.** Light green metallic with cloth & vinyl bench seat 360 engine 4 speed 63 amp alternator 70 amp battery dual gas tanks rear step bumper clearance & I D lights 6x9 low mount bright mirrors 950x16 5E mud & snow tires snow plow package power angling blade power steering **$9666**

Stock No 0169
**BRAND NEW 1980 DODGE D-100 SWEPTLINE PICKUP.** 131 wheelbase Medium crimson red metallic 318 engine automatic transmis sion cloth & vinyl bench sea power steering **$5666**

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**BRAND NEW 1980 DODGE ASPEN 6 PASSENGER STATION WAGON.** Teal tropic green metallic with tan vinyl interior Power steering automatic transmission custom package cargo compartment carpet 6 cylinder engine tinted glass air conditioning air deflector luggage rack white sidewall radial tires **$6366**

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**BRAND NEW 1980 DODGE DIPLOMAT 2 DOOR HARDTOP.** Natural suede tan with tan cloth & vinyl interior power steering automatic white vinyl roof conventional spare tires white sidewall tires **$5366**

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**BRAND NEW 1980 DODGE W-150 SNOW COMMANDER.** Dark teal metallic 318 engine automatic transmission maximum cooling auxiliary transmission cooler 63 amp alternator 70 amp battery dual gas tanks rear step bumper clearance & I D lights spare tire carrier in side bed power steering 700x15D mud & snow tires (5) Snow Commander package convenience package **$8966**

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67 Ford C 850 10 wheeler, 534 V8 10 00x20 tires 8 speed trans , heavy 17 dump body 609 298-4527

**TRUCKS & TRAILERS**

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| **1978 Ford F100,** 6 Cyl , Stick . . . . . | $4295 |
| **1978 Chevy LUV,** 4 Cyl , Auto., AC, Long Bed, AM-FM, 13,000 Miles . . . . | $4995 |
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| **1977 Datsun,** 4 cyl , 4 Speed . | $3295 |
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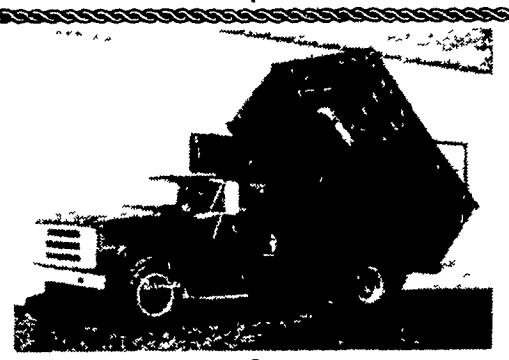
**TRUCKS & TRAILERS**



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18,500 GVW, V8, 5 speed, 900x20 new tires, with new Omaha Standard 12' grain body, 52" grain sides, 51 DA single cylinder 10 ton hoist, new 30 gal aux fuel tank & 24" tool box.

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Single axle diesel sleeper, maxidyne, 5 speed transmission new paint
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Tandem axles, diesel, sleeper, 318 Detroit engine, 13 speed transmission, air conditioning, power steering, radio, aluminum cab, new paint
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**1974 IHC TRACTOR** C04070
Tandem axle, diesel, sleeper, 318 Detroit engine, 13 speed transmission, air conditioning, radio
Was $11,500 NOW **$10,500**

**1974 CHEVROLET TRACTOR** Titan 90
Tandem axle diesel sleeper, 318 Detroit engine, 10 speed transmission
Was $11,500 NOW **$10,500**

**1976 FORD TRACTOR** WT9000
Tandem axle diesel sleeper, 350 Cummins engine, 13 speed transmission, power steering, air conditioning, new paint, major overhaul
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**1976 PETERBILT TRACTOR** 352S86
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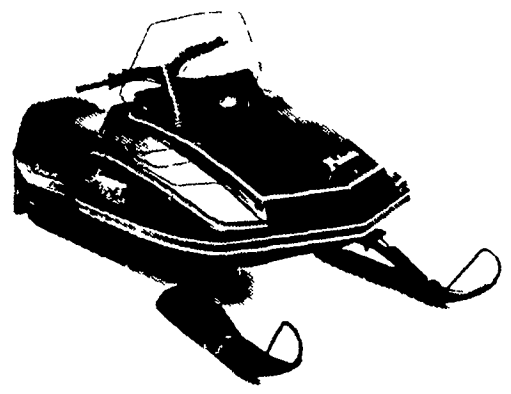

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For Sale AKC Collie puppies, ready for Christmas shots & wormed 717 656 9448

PETS

Wanted Flemish or checkered does 717 365 3582

¾ purebred Collie puppies, shots and wormed 717 569 5076

**CASH FOR PUPS**

I need Purebred and extra cute mixed litter lots 6 to 8 weeks old Clean and healthy for resale as house pets Contact Jo Jo The Dogman ' at Roots Farmers Market RD 1 Manheim PA Every Tuesday 5 p m to 8 p m (No Phone Calls )

For Sale Registered Australian puppies born 6 12 80, Call 215 495 6463

Need puppies, will purchase in litter lots and pickup at your farm or kennel Also, interested in breeding? Call 609 779 1660

Weimaraner pups, AKC registered, 6 weeks old, reasonably priced Call 215 948 3493

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For Sale #950 Glenwood wood boiler fully automatic used 6 months, excellent condition, $850 717 665 7924

Columbia cooking range stove, black with wide warming closet 10 yr old grey bay mare work horse 1 standardbred, 7 yr Saddlebred 5 yr, good broke, Along Rt 625 on 1 Neidas Mill Rd Bowmansville Martin Reiff Rd 1 Narvon PA

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**AND ASHLAND HEATERS**

10% OFF

- Combination Wood and Coal
- Thermostatically controlled
- In Stock now

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**RD #1 Box 13**
**Honey Brook, PA 19344**

PETS

Ready to Ship!! Registered Australian cattle dogs (Blue Heeler puppies), red & blue stud service available to approved Bitches Buckeye Kennels, c/o Heritage Oak Ranch, Box 133, Troy, Ohio 45373 513 335 4012 or 778-0675

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AKC Reg English springer spaniel, excellent hunters or show, will hold till Christmas 717 244 1177

## WANTED TO BUY

Puppies 7 to 9 weeks old in litter lots Pure breeds and half breeds Cash money paid Will pickup every Wednesday For resale in my pet shop Write to Charles Hackett 3743 N 5th Street Philadelphia PA 19140 or call before 7 p m Mon Tues & Thurs only 215 229-0449 Give breed age color when writing Also some kind of direction Thank you

MISCELLANEOUS

For Sale Calf hutches wagon beds, paint, window glass cut to size, Christ S Beiler, 123 S Belmont Rd , Paradise, PA 17562

Conveyors, fillers, washers, S S packing tables, belting, pulleys, sprockets Will sell any part from a complete tomato cannery plus odds & ends from a discontinued farm machinery business Harford Co 301 452 8452

" 7" Old Time meat curing recipes guaranteed to please Send $2 00 self-addressed stamped envelope Hampton, R #1 Box 252A, Pine Grove Pa 17963

For Sale Tobacco bale boxes and wood stoves for stripping room etc Jacob M Stoltzfus, 2870B Church Road, Bird in Hand PA 17505

For Sale 2 Warm Morning coal stoves, model 400 with fans good condition Also heating ducts 215 445 6976

STRAIGHT LADDERS FOR SALE IDEAL FOR FARM & HOME MAINTENANCE 22 to 26' $2 PER FT 717 872 5370

For Sale Used Lumber 2x4, 2x3 lot other lumber large amount, $750 00 Also Andersen window walls, 1 double swing out 42"x42 6 panes/ 6 panes 2 flexivent swing out units 30"x44 welded insulated glass, 2 pressure seal vertical mounted $280 00 for 4 units R Witmer, Janet Rhea Road Freehold N J 07728, 201 431-2995

For Sale Refrigeration compressors 1½ H P Frick $150 00 Frick ¾ H P $75 00 Brunner ½ H P $50 00 Mills Model FA1A85 $50 00 Also Double Wall mounted S S wash tubs $50 00 P V C ¾ plastic pipe 700 $100 00 R Witmer Janet Rhea Road Freehold N J 07728 201 431 2995

Large bank barn and silo Want one to raise pigs storage or any other purpose Elverson 215 MO7 5329

Wanted Standing timber to buy For Sale Squared locust posts walnut lumber and all kinds of sawmill lumbe and timbers Custom sawing G H Burkett & Sons Sawmill, Elizabethtown PA 717 367 2791

MISCELLANEOUS

'Windmills for sale' Dealers needed also for America's best new windmill, 'EAGLE #1" "Free Brochure!" (Toll Free 1-800 431 2353, Op 132) American Wholesale Windmills, Box 261, Stone Mountain, GA 30086

SALE MEAT EQUIPMENT Band saws, grinders, slicers, tenderizers, new splitting saws, $195, walk-in coolers G R Grundy, Doylesburg, Pa on Rt 75, 200 yrds north of Rt 274 Open Saturday and Sunday 10 A M 4 P M 717 349 7654

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**Ink Pads Available**
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Old silver or gold coins, rag carpet, quilts, oak furniture of any kind, roll top desks any condition, shutters, old doors, old flooring, corner or wall cupboards, old dishes, blanket chests & wood boxes

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**P O Box 277**
**Elverson, Pa 19520**
**215-286-6618**

**DIALING FOR $$$$**
**Immediate Cash Wanted- Old and Antique Items**

Oak round tables up to **$500**
Sq oak tables **$250**
Oak bedroom sets to **$700**
Set of oak chairs to **$500**
Rolltop oak desk to **$1000**
Furniture
Glassware Etc
Call Anytime
**215-286-6618**
**TOM E. FISHER**
**P O Box 277**
**Elverson, PA 19520**

REAL ESTATE

For Rent Recently remodeled eight room farm house near Gratz Please send replies to Box J 154 c/o Lancaster Farming, Lit[illegible] PA 17543

282 acre farm, 145 tillable balance in woodland & pasture 2 houses & a barn $300 000 717 436 8309

Sales Agreement 157 acres of top producing Southern York County soil Has gorgeous remodeled home interior done in Williamsburg 2 fireplaces new heating system 105 tillable balance pasture & wooded bank barn sales agreement 25% down 12% interest 25 yr 10 yr pay out $375 000 717 848 3300 After 6 P M [illegible]

REAL ESTATE

**SHENANDOAH VALLEY FARM**

181 Acres Over 80 tillable PH over 8 5 Clear mountain river Large house and trailer site with utilities Bank barn and outbuildings Priceless view of mountain ridge Must be seen $1200 per acre 8% mortgage available By owner Call 703 997 9119

**VEAL FARM**

OPPORTUNITY IS KNOCKING - 228 CALF BARN - ½ BUILT 1974, SECOND HALF 1978 3 bedroom rancher built in 1972 Also small bank barn and many other extras Property in excellent condition Priced $99,500 00 with 12 5 acres, $89,500 00 with 8 acres LEWISTOWN INS & REALTY CO 717 248 6721 Lynn A Thompson 717 248-7306 evening Thiry Olbrich 717 248 0582 evening

For Sale 98 acre hog farm at Clay Hill, Franklin Co , PA, brick house, garage, barn, silo and other hog barns, Limestone soil, Robert F Crider Realtor, 14 N Main St Chambersburg PA 17201, Ph 717-264 8528

For Sale , Lease or article of agreement Dairy Farm Huntingdon Co 180 acres, 135 tillable, 45 pasture, 44 freestalls, new 4 unit pipeline milker, 500 gal milk tank, new 20x70 silo with unloader, 60' automatic feed bunk, 15 ton feed tank, 12x60 mobile home on foundation 24x60 double wide home with basement, near schools churches and shopping center Write for appointment P O Box 366 L-123 Lancaster Farming Lititz, PA 17543

For Sale by Owner 152 acre dairy or beef farm in Snyder Co , Pa Two silos, $1300 per acre No Sunday calls 717 374-9151

FARM FOR SALE BY OWNER 120 acres good producing, nice location, good bldgs 1 20 x80' Weaver Star Silo good water ready to go, nice good big fed lot, good buildings This farm is ready to go O K No 1 condition located partly in Lancaster Co part in Lebanon Co on Colebrook Road to Mastersonville Would like to let 2/3 of money in first mortgage If interested please call 717 964 3525

Somerset Co 170 acre dairy farm 120 tillable 30 good timber extra land available to rent 2 silos pipeline, 600 gal bulk tank, well, spring water, stream through pasture, two good houses 814 893 5461

Young Veterinarian/dairy farmer couple wants to lease or purchase farm with facilities to milk 60 100 cows Call 215 444 1058

For Sale Woodland Bethel 717 933 8311

For Sale - 14 acre Lanc County farm Large barn, Nebraska hog building set up for 600 hogs, tobacco shed Two story, 3 or 4 bedroom house, Call for details 717 665 3444 after 5 P M

#714 For Sale 69½ acre farm 95% tillable, zoned agricultural and commercial, 2½ story home plus numerous farm buildings Reduced to $189 000 Call Red Wagon Realty 717 274 2875

#711 11 Acre Farmette with 6 yr old ranch home loaded with extras and a 24x64 frame barn 5 miles north of Lebanon, $89,900 Call Red Wagon Realty 717 274 2875

For Rent or Option to Buy Hog Operation 40 sow, 100 heated farrowing house Also 100 sow barn small butcher shop 2 story brick house on 40 acres Mennonite churches nearby Adams Co 717 632 6968

Wanted to Rent Dairy farm for about 40 cows Early Spring of 1981 Central PA 717 529 6728

REAL ESTATE

For Rent - 4 room house, middle aged couple, nice yard and parking Neffsville, Lancaster Co , 717 569-1170

**LEASE QUALITY DAIRY CATTLE**
**Various plans available.**
**Call or Write**
**Dairy Farm Leasing**
**1700 Dupont Ave. South**
**Minneapolis, Minn. 55403**
**612-377-1489**

**YORK COUNTY**
**112 Acre General Farm**

Good buildings, big Conewago Creek frontage, 80 acres tillable, balance pasture and mature woodland, Close to Harrisburg and York, 1 mile to 83 exit Selling due to death in family, very sincere Exclusive listing

**Mr Becker -**
**717-848-2841**
**Penn Realty of York**
**1545 N. Queen Street**
**York, PA 17404**

MODERN DAIRY FARM A gem of a farm, has 260 acres, some woods, remodeled 5 B R house, loafing barn, silo, milk house, many many extras in northern Franklin County Owner Financing For Additional information contact DUANE B DILLARD, REAL ESTATE 717 328 5532 or 717 328 3953 Mercersburg, Pa

Dairy Farm for Rent Huntingdon Co 125 acres with 6 room house, bulk tank, 40 stalls, 2 silos etc , 814-447 3203

105 acres of land, Snyder County, Mifflinburg Middleburg area ½ tillable plus pasture and woods, very accessible $650 per acre 717 473 3425

Dairy farm for rent in So Hunt Co Available April 1, 1981 Write P O Box 366 L 126 c/o Lancaster Farming, Lititz, Pa 17543

For Sale 19 ac farm, 2 houses, barn, corn crib, 2 story 8 car garage, Montgomery Co , Pa $120 000 215 754 7012

REAL ESTATE

For Sale Sullivan Co Real Estate Two 5 acre lots on stocked trout stream One 45 acre parcel on stream with mountain view 717 925 3756

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses Write Dept LF-12, WEST REAL ESTATE AGENCY, INC , 2728 Murray Ave , Pittsburgh, Pa 15217

FARM-PINES STREAM

Near Stevenson, Pa In Bradford County, 18 miles to Towanda or Montrose, Pa , approx 50 acres, nearly 800 ft of paved road frontage, over 2000 Xmas pine trees, small spring-fed stream, 2 story barn for garage and livestock, well maintained 8 room & bath home has living room fireplace, charming recreation room and hot water baseboard heat No A 7875 WEST REAL ESTATE AGENCY, INC , Office 12 Canton St , Troy, Pa 16947 Phone (717) 297-4046 or 297-2777

Farm For Sale - Nicely located farm with 65 acres of land Located in Dunn Valley 2 miles East of McAlisterville, Juniata Co , Pa Barn & other outbuildings, 7 room house with bath & a half This farm is located in a beautiful valley with good neighbors Anyone interested in seeing this farm call 717-463 2397 after 5 thru the week or Saturdays anytime or 717 463 2692 anytime

**ADAMS COUNTY**

Cleared land, no buildings, 2 tracts adjoining, buy together or separate, near Rt 15 just west of Heidlerburg, 17 acres, asking $21,900 and 31 acres, asking $38,900 Exclusive listing

**Mr Becker**
**717-848-2841**
**Penn Realty of York**
**1545 N Queen Street**
**York, PA 17404**

## CENTRAL PENNA. FARMS

**CUMBERLAND COUNTY**

**80 acre dairy and hog,** cow tiestalls, 18 crate farrowing Call Mr Niesley

**65 acre limestone tract,** no buildings Call Mr Niesley

**FRANKLIN COUNTY**

**170 acre dairy,** 55 free stalls, 2 silos, owner financing Call Mr Niesley

**HUNTINGDON COUNTY**

**193 acre [illegible] Retreat Farm** SALES AGREEMENT hunting and fishing Call Mr Niesley

**JUNIATA COUNTY**

**125 acre poultry and hog,** 10,000 broiler contract New ranch house Call Mr Crawford

**MIFFLIN COUNTY**

**225 acre dairy,** 27 tie, 3 silo, financing Call Mr Crawford

**145 acre limestone, general,** no house Call Mr Crawford

**PERRY COUNTY**

**89 acre limestone general,** Amish neighbors, financing Call Mr Benner

**JOHN B. NIESLEY REAL ESTATE**
**32 West High Street**
**Carlisle, Pennsylvania 17013**
**717-249-8787**

**RICHARD B. CRAWFORD - 717-734-3673**
**CLAIR R. BENNER - 717-444-2162**
**EARL I. STERN - 717-748-7376**
**GREGG R. BITTING - 717-789-3368 or 789-4513**
**STEVE E. ORRIS - 717-789-3368 or 789-4177**

REAL ESTATE

34 A plus dairy farm Nr Amsterdam, NY (Mass NY Market) 175 A till , sandy loam 80 A new feeding R( ideled barn with 75 large tie stalls plus 70 heifer stalls, under one roof New 2" DeLaval pipeline, new Patz cleaner, 4 silos (largest 24x60), 80,000 sq ft pole barn plus outbuildings Large 2 family home, VG condition, $195,000 Also available 100 Reg Holsteins & Machinery Call owner 518 883 5576

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Lot For Sale in Agricultural Zone, 246' hard road frontage, street lev clear and perked, $15,000, 717 235 3421

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REALTOR AUCTIONEER
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**YORK CO. FARM**

Long paved drive leads you to the heart of this approximately 84 Acre +/- Crop farm Offers acres of fertile clear & tillable crop land pasture w/stream plus wooded acreage Improved by a large 4 BR frame dwelling w/full bath large bank barn and numerous other supporting farm related buildings Ideal southern York County location convenient to Lancaster County Offered at $200 000 Phone (301) 692 5667 996 2424 for details

**DAVID W. SHRODES REALTY**
5014 Carea Rd
Box 203
Pylesville Md 21132

**MONTOUR COUNTY**

45 stanchion dairy farm, silo, 83 acres, approximately ½ tillable

**DAIRY FARM**

30 stanchions, 119 freestall barn, barn cleaner, pipeline, bulk tank, silos - 24x60 & 16x[illegible] with unloaders, 3 bay equipment shed & 14 acres A 4 bedroom house & a 3 bedroom house East of Rt 15, Williamsport, PA.

**DAUPHIN COUNTY**

58 acre dairy, space for 30 cows, 3 silos & equipment buildings, loafing area or steer stable 30 acres more can be leased. Financing at 9%

**CLINTON COUNTY**

140 acres, $700 per acre.

**NORTHUMBERLAND COUNTY**
**Dewart**

97 acres, river bottom soil, 56 stanchion dairy

**COLUMBIA COUNTY**

70 acres, general, 52 acres tillable.

**DONALD R. WITWER REAL ESTATE**
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215-267-7963

REAL ESTATE

2 Farms consisting of 120 acres of very fertile land 2 sets of buildings for sale by the owner, John Strawbridge, 301 996 2022

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds 717-394 3047 or 717 626-1164

Wanted to Rent - Barn in Ephrata/Brownstown area suitable for small purebred swine operation Ph 717-733 2310

REAL ESTATE

For Sale - Single mobile home, Clearwater, Fla Furnished with screened porch car port & utility shed Reasonably priced 717 838-3176

30 acres Excellent soil Modernized four bedroom brick farmhouse Various outbuildings Board fenced pasture One acre wooded, City water to property Located in Jefferson Boro, York County $155,000 Anchor Realty, Realtor 717 225 3643

**LEASE**

**200 acre Central Lancaster Co. Dairy Farm, loose housing setup for 160 animals. Double 5 parlor with new tank & equipment. Four residential units on farm, $7800 per mo.**

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**Winters' Real Estate, Inc.**

308+ acre dairy farm, 200 tillable, 3-5 slope southern Steuben County 6 miles to milk plant Self supporting 140'x40' steel and concrete barn with 64 milking positions 2 silos, 5 bedroom house, heifer barn, machine shed, 1,000 gal bulk tank and pipeline system, storage house Can be purchased bare or with machinery and approx 100 head F-186 Ask for Dick or Bob

**AND WE HAVE MORE!**
**Ask For John Winters**
**607-962-2401**

**ALPHA REAL ESTATE COMPANY**

**KENT COUNTY, DELAWARE FARMS**

110 acre Grain Farm $120,000.
120 Acre Horse Farm $400,000.
90 Acre Dairy Farm $160,000.
37½ Acre Poultry Farm $195,000.
10½ Acre Horse Farm $125,000.
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For more information on the above please call 302-678-1646

**FOR SALE FARM SEPARATELY OR FULLY STOCKED & FULL LINE OF FARM MACHINERY NONE OVER 2½ YEARS OLD**

Dairy farm in the heart of fertile Cumberland Co Modern 10 yr. old ranch, 4 B.R., 2½ baths, L.R., D.R., 2 kitchens, family R., large Rec. room with fireplace, 12x55 house trailer, lrg. inground swimming pool, freestall barn for 700 cows, 5 acres of fenced pasture, 79½ acres grain & hay, 2 car & 3 car garage, grain storage, 5 silos. Was a jugging operation, all equipment there, now selling to Holly Milk Plant in Mount Holly Springs. Computerized milking, full line of machinery & 70 head of Holsteins. Raising own feed.

Call Dolly Keeney
**REALTY WORLD**
Cumberland Co.
717-243-3011 or
Res. 258-3562 (717)
Ask for Dolly

REAL ESTATE

Farm For Sale - 339 acres, 180 tillable, capable of raising 600 feeder calves yearly, owner financing, 607-868 3191

**2 FRANKLIN CO. FARMS**
**Near Willow Hill**
77 acres house & barn $96 000
104 acres w/lovely home & barn $150 000 Owner will finance
**VAN CLEVE REAL ESTATE**
**717-392-3032**

**FARMS FOR SALE**

265 Acre General Farm 200 acres tillable Rising Sun MD

179 Acre Dairy Farm 120 acres tillable with 2 sets of buildings near Oxford

139 Acre general farm 90 acres tillable $1600/acre available with financing and 30% down York Co

22 5 acre horse farm 2 story home with 4 large bedrooms in good condition Also includes in ground swimming pool Cochranville area

**FREDD-EDDY Realty, Inc.**
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250 A good 8 room farm house, all conveniences, will sub-divide, partly wooded with streams

240 A Modern dairy, 60 stalls, pipeline milker, Harvestore silo, immaculate farm house with all conveniences 50% financing at 12% interest

10A Historic field stone home and stone gable barn

17A Woodland, Lancaster Co

**WISHING ALL OUR MANY FRIENDS A JOYOUS CHRISTMAS & PROSPEROUS NEW YEAR**

D Martin Zimmerman, Realtor
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Loren L Zimmerman, Associate
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Blue Ball, PA
717-354-4536

**MAKE AN APPOINTMENT TODAY BUY-SELL THROUGH KINGSWAY**

**JUNIATA COUNTY**

66 Ac , dairy setup, new listing, starter farm, 38 stalls, spring, $160,000.
72 Ac., 60 till., barn & front, $87,000
16 Ac , farm bldgs , stream, $63,900

**LANCASTER COUNTY**

New Listing - ½ Ac farmette, mt stream, pond, Rt. 896 North, priced in the 40's

**SNYDER COUNTY**

25 Ac. hog farm, ex. home, off Rt. 522, $74,900
130 Ac hog farm, 100 till , ex home, $195,000
100 Ac steer farm, 80 till., for 100 head, $165,000
28 Ac general, all till., 6 rm. house, $69.000
20 Ac woodland, secluded, Rt. 104, $22,000

**MONTOUR COUNTY**

80 Ac , 70 till , house, secluded, less than $1000 per acre

**DAUPHIN COUNTY**

9 Ac. farmette, near Rt 230, secluded, $55,500

**For Information On These & Other Penna Farms Ask For One of the Farm Men**

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Phone: 717-569-8701
or Leola 717-656-6717
REALTOR

REAL ESTATE

House For Rent 2 miles west of Millersville middle age couple 717 872-2395

**FARMS**
**SHENANDOAH VALLEY VA**

**90 Acres**

Grazing and crop farm for either cattle or horses Featuring a stately home 2 barns tenant house outbuildings Large spring and pond Fantastic show farm potential One of the finest farms we have had the pleasure to offer

**50 Acres**

Nice feedlot operation that will handle 200 head 2 Upright silos plus bunk silo Large barns & machine shed Excellent brick home Good Spring

**161 Acres**

Feedlot operation with a 24x60 upright silo with automatic feeder 6000 bushel high moisture bin About 100 acres of crop land Older Virginia farm house for gracious living

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**Benny Firestone**
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**Firestone-Wampler Realtors**
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Daleville Virginia 24083

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**$214,900**

5 acres of ground with 4 rented properties great for horse people with 15 stall barn and indoor riding arena, inground pool Spanish style home apartment and converted carriage house

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West Chester
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REAL ESTATE

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20 acres, home, large barn, Mahoning Valley, near Lehighton $105,000 00, 136 acres, home, barn, eight other buildings, Hegins Valley, $145,000 00

**HARVEY C. CRESSWELL**
**Realtor**
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**717-628-5057**

**FOR SALE TWO RENTAL UNITS**

**Price - $46,000**

**Double your investment in 6½ years, no rental headaches, we will lease from you for $7000 a yr.**
**First Come Appointments**
**Phone - Mr. Denlinger**
**717-687-6646**

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**JUST LISTED NICE NEAT BARN** on this 145 acre farm about 20 woods balance open Barn has 35 ties room for expansion new 18x50 unloading silo new water cups Good 5 bedroom home combination heat new storm windows New York market $110 000 bare or $223 000 stocked and equipped

**TIMBERLAND INVESTMENT PRICED RIGHT** 53 5 heavily wooded acres just outside Ithaca Real nice spot to build with panoramic views $22 500

**142 FREE STALLS** with 215 total capacity 25x80 Harvestore plus 14x45 concrete two 96' feed bunks Double 6 herringbone parlor with shower & lavatory 4 bedroom home Mobile home $475 000 with 29% down & owner terms

**BEEF HORSES, OR FREE STALL DAIRY** 175 acre former free stall farm just outside Ithaca has 40x100 block barn adaptable to many uses 2 silos Room for indoor riding arena 8 room home has 3 baths combination heat $112 000

**MANY OTHERS**

**WIMPLE REAL ESTATE**
TRUMANSBURG, N Y
607 387 9303

**$62,500.00**

21 rugged acres approx ⅓ tillable, 2 story home, barn, and stream, a great "Get away from it all" place Possible help with financing

**$64,500.00**

Old MacDonald never had all this! Near Quarryville, 10 acres with a pond and stream, large 2-car garage, small barn, and a 14x70 mobile home fenced for horses or steers

**$69,500.00**

Good 2 story house and barn go with this 10 acre tract all tillable, nice quiet location, great for horses

**$129,000.00**

With owner financing on 25 acres almost entirely tillable with plenty of frontage, nice 2 story home and a pad for a mobile home plus 2 barns Located near Wakefield

**LESS THAN $3,500 PER ACRE**

Approx 65 acres tillable, 30 acres of pasture, and 12 acres of woods, 3 bedroom home, barn and milk house, could be reverted back to dairy

**NEAR STRASBURG**

A brick rancher situated on 2 acres of ground with a pond and a 3 story CHICKEN HOUSE with a 21,000 bird capacity Possible help with the financing **$149,000.**

Call 717-284-4195

**SOLANCO REALTY, INC.**
R D 1,
QUARRYVILLE BUCK, PA 17566

REAL ESTATE | REAL ESTATE

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401 York st.
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717-334-9204

**Country Estate,** secluded on a 10 acre tract Having 4 bedroom log & stone home Surrounded by trees, plant specimens gathered from up & down the coast, lily pond & large workshop Owner financing available Asking $125,000

**Campground Investment.** Having inground pool, store & 2 homes Adjacent to Gettysburg Battle field

**91 Acre Tract** East of Gettysburg, having hard road frontage & possible railroad siding Also subdivision approval for developer Asking $2000 per acre

**2 Nice Farms** in Gettysburg First having approx 40 acres with stream & 4 bedroom home $108,000 Second having 110 acres with 3 rental units Also outbuildings & owner financing available, $185,000

## CENTRAL NEW YORK OFFICE

**JUST LISTED LONG TIME OWNER NOW RETIRING** offers this 300 acre Mohawk Valley farm 200 tillable 45 tons lime spread yearly for 20 years Excellent 44 cow barn 2 pipeline cleaner 700 gallon tank 2 silos Block construction Home has 4 bedrooms good shape Heifer barn $198 000 owner terms possible

**TWO HOMES STOCKED & EQUIPPED** 160 acre dairy 130 open 41 cow barn dump station cleaner 50 unloading silo 3 bay shop Lock stock and barrel $198 000

**"NEAT AS A PIN"** 200 acres 175 tillable nice setting 48 cow barn in excellent condition very workable has cleaner dump station dry bar nyard Immaculate 4 bedroom 2 bath home w/fireplace Equipment included for $220 000

**110 COW PIPELINE BARN** with 3 unloading silos mix mill, 1000 gallon tank on this 411 acre dairy 250 tillable, nice alfalfa soils Quaint 5 bedroom home About 73 milkers 34 young stock 4 tractors & machinery $350,000 complete

FREE DAIRY LISTS

REALTOR®

**WIMPLE REALTORS**
SLOANSVILLE, N Y
518-875-6355

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Morgantown, Pa
215-286-5183

### COLUMBIA CO. MILLVILLE AREA

167 acres 90x95 tillable large 11 room house semi secluded Priced less than $750 per acre

### NITTANY VALLEY BELLEFONTE AREA

211 acre dairy farm barn w/46 stalls 3 silos horse stable implement shed corn crib meadow w/stream 2½ story dwelling ideal situation for second set of buildings Hagerstown limestone soil

Agent - Roy E Haller
215-484 4844

### LYCOMING CO.

137 Acre Mod Dairy 63 stalls 1 000 gal tank Surge Pipeline w/6 units 2 barns 3 storage sheds Frame House 5 bdrms 1½ baths

### MONTOUR CO.

110 Acre Farm Frame Barn Horse Barn Implement Shed & 2 Silos Eastern Coop Milk Market Frame House

88 Acre Dairy Farm 45 Acres tillable (Also 50 acres across road available) Barn 3 silos frame house

Titus Snader Agent
717-437 2714

## FRANKLIN CO.

100 acre limestone farm, large barn, nice set back from road, good fences
We have several nice tracts of mountainland

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1949 Buchanan Trail East
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717-597-8300

100 Dairy and cash crop farms for sale Central New York 50 - 200 cow farms with 100 acres to 1000 acres Send for our free farm list or call collect for an appointment after 8 PM or before 8 A M

**RICHARD E. POSSON REALTY INC.**
R D #3
Norwich, NY 13815
(607) 334-9727

## HERKIME COUNTY FARMS CENTRAL NEW YORK

220 acres 100 tillable, 50 woods, 50 pasture Lovely old brick home 40x100' barn 46 tie stalls plus heifer room, silo, Oliver tractor plus full line other machinery $165,000 Owner will finance at 10% interest

New Listing - 250 acre dairy farm 38'x200' barn, 190 tillable 2 large pole barns, 2 silos New pipeline milker Bare or stocked and equipped Large assumable mort @ 8½% interest

175 acre SHOW PLACE FARM. 100 tillable, 30 wood and pasture Pipeline milker, 2 silos 46 ties, plus room for heifers Lovely 2 family home, 6 bedrooms, 3½ baths Move right in $193,000

300 acre farm, 200 tillable, 50 woods and pasture 2 silos 34'x94' barn, heifer barn with new pole barn 50 stalls. Owner will finance Bare or stocked and equipped

New Listing - 540 acre farm, Harvestore and 2 concrete silos. Pole barn Very nice home Bare or S & E.

**United Farm Agency**
Kingdom Road, Mohawk, NY 13407
315-866-7909

## MULLICA HILL, NEW JERSEY 19TH CENTURY FEED MILL

17 000 sq ft located on corner of Interstate 322 and State Highway 45

This complex has been expertly restored throughout (1978) showing exposed beams hardwood flooring wide board dormers open mezzanine interiors etc

Located on one acre of ground with a 30 car black top parking lot off Rt 322 and a 15 car stone surface parking lot off Rt 45

Walk in fireplace in cellar along with 10' ceilings plus 2 large picture windows facing Rt 322

This building was completely gutted and restored from the shell back Improvements incide

New roof new wiring throughout (4 separate services to feed different areas of building) 6' insulation from roof to basement four 200 000 btu oil fired heaters (2 on each floor) along with completely new duct work central air conditioned throughout plush wall to wall carpet throughout 50% off floor area

Outside area (not shown in picture) has a 2000 sq ft deck over original railroad trestles complete with outside lighting with lots of old shade

This property is centrally located 20 minutes from Philadelphia 55 minutes from Atlantic City 90 minutes from New York City on heavily traveled roadways

Also this property is located in the center of 5 existing housing developments with a middle to upper middle class income

Presently this building is leased (on a monthly basis) to 11 antique dealers with room for 30 more dealers (each dealer s average monthly rent is $100 00) The town of Mullica Hill is a pre revolutionary town with over 40 antique dealers

Present owner is engaged in other business This building is limited only by one s imagination

Asking $195 000 Serious offers will be considered owner will help finance

Phone Day - 215-546-2008 Night - 609-358-3605

REAL ESTATE

## STEWARTSTOWN, PA

97 acres with good road frontage, in come producing poultry operation bank barn and other outbuildings large house offers efficient modern living Excellent mix of tillable and pasture land two streams Property is located only ten minutes from I-83

Gus Gassinger
301-329-6023
or Terry O'Donnell
301-557-7641

**O'CONOR & FLYNN REALTORS**
(301) 252-2111
Equal Housing Broker

148 A General Farm in Hegins Valley E of Gratz
160 A dairy Cumberland Co
165 A Dairy Perry Co
100 A General Farm Lebanon Co
235 A General Farm Juniata Co
80 A Dairy Berks Co
44 A Dairy Chester Co
30 A Dairy Chester Co
85 A Dairy Chester Co
126 A Dairy Cumberland Co
179 A General Farm Lebanon Co
54 A General Farm Schuylkill Co
84 A General Farm Schuylkill Co
57 A General Farm York Co
47 A Woodland Clinton Co
5 A Tract Approved for Building
11 A Tract Approved for Building
30 A Land Berks Co
31 A Going Camp site with some permanent campers Berks Co
25 A Woodland Farmland and Meadow
7½ A Woodland Northern Lancaster Co
10 A woodland w/2 bedrm house Northern Lancaster Co

OWNER FINANCING ON SOME OF ABOVE PROPERTIES TO QUALIFIED BUYERS

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### UPPER FRANKFORD TOWNSHIP CUMBERLAND COUNTY

70 Acres - 4 bedroom, 2 story house, bank barn, 3 car garage, 5 stall horse barn, chicken house, milk shed, wagon shed, implement shed, 65' mobile home, pond. 49 acres tillable land, 4 acres young fruit trees, 8 acres woods Financing available to qualified buyer. $150,000 00

### PENN TOWNSHIP CUMBERLAND COUNTY

23 Acres - 4 bedroom 2 story house, Bank barn, wagon shed, chicken house, calf pen, 2 car garage. woodshed, wash house and smoke house $100,000 00.

### DICKINSON TOWNSHIP CUMBERLAND COUNTY

18 acres - 4 bedroom 2 story house, bank barn, wagon shed & 4 car garage Limestone soil. Additional acreage available Financing available to qualified buyer $135,000 00

## LANCASTER COUNTY FARMS

### 99 ACRE CROP FARM

With custom remodeled farm house, steer barn, bank barn, and other outbuildings all in excellent condition. Nearly 85 acres. Less than $3,800.00 per acre in Southern Lancaster County

### 153 ACRE DAIRY FARM

With milking parlor and free stall capacity to 250 head, 5 silos, 3 family stone house and other buildings Fulton Township

## YORK COUNTY

### 50 ACRE BEEF FARM

Set-up to handle 60 steers, good tobacco barn and other outbuildings and modern dwelling all located near center of farm Brogue area

### 160 ACRES WITHOUT BUILDINGS

Nearly 120 tillable, located in Southern York County and priced for less than $2,000 00 per acre

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## MODERN 700 HEAD HOG FINISHING UNIT

Barn, corn barn, storage shed, 2½ story stone dwelling on 3½ acres. More land available. Owner will help finance right party. $139,500.

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## $1100 PER ACRE

138 acres 70 clear no improvements Planted in peppers in 1980 Crop or dairy farm potential

West of Dover DE in Amish country

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## MOHAWK VALLEY REGION

**ONE OF THE BEST 60+ COW FARMS AVAILABLE. CHECK THESE FEATURES.**

* Newer 62 cow barn, 38x140 plus 37 youngstock stalls.
* 2", 6 unit Surge pipeline. Mow conveyor.
* New vacuum system - (2) 500 gal. tanks.
* Patz cleaner and manure stacker.
* 200 acres of fertile gently rolling stone free soil.
* 2, 24x60 silos with Jamesway unloaders.
* 60' covered automatic bunk feeder. Cement yard.
* 40x90 equipment shed.
* Remodeled 8 room home. 2 car garage.
* $130,000 FmHA assumeable 9% mortgage.
* Low taxes. Excellent milk market. Drilled well.
* Realistically priced at $185,000 with all feed included.

Owner has purchased larger farm and now must sell. If you're serious about a good farm and you qualify, you must see this one.

**Country Boy Realty, Inc.**

140 E. Main St.
Cobleskill, NY 12043
518-234-4371

## 49 A Farm For Sale in Southern York Co.

Lower Chanceford Township, ½ mile west of Snyders cannery on Castle Fin Road Hog, steer and tobacco 2 story frame dwelling, 9 rooms, 3 baths Bank barn 30'x48'-38'x48' straw shed attached 2 tobacco sheds for 9000 laths, 100'x24' hog house, farrowing and fattening pens, 10x55 concrete stave silo, 1400 bu round corn crib, windmill and 10,000 gal water tank, other outbuildings $130,000 Owner Katie F Zook

Contact Jacob B. Zook
741 Hartman Station Road,
Lancaster, Pa. 17601

## FIELD RENT BIDS

Sealed bids will be received until and will be opened at 2 00 p.m., Friday, December 19, 1980 for the rental of good farm land located at the Mount Joy Vocational-Technical School

Land offered consists of the following
33 Tillable Acres
10 Acres to be used for pasture only

Bid forms are available from the following.

John Riddell, Principal
Mount Joy Vo-Tech School
Old Market Street
Mount Joy, Pennsylvania 17552
Phone 653-2061

Thomas Bigler,
Assistant Business Manager
Lancaster County Area Vo-Tech School
1730 Hans Herr Drive
Willow Street, Pennsylvania 17584
Phone 464-2771

Area Vocational Technical Board
for Lancaster County

REAL ESTATE

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## SHEETZ REAL ESTATE RAY N. WILEY INC.

323 W. Main St.
Mount Joy, PA

**CALL 653-1481**

**FARM LISTINGS NEEDED**

Farm Salesman - Eugene Kreider

## FARMS & LAND

160 acres, 2 houses, huge bank barn, $120,000 Huntingdon Co

510 acres, 3 houses, huge grain facilities, 3 separate dwellings

40 acres Martic Twp., Lancaster Co

46 acres Lancaster Co. $8000 per acre

23 acres, 4 bay garage, bank barn, large house, level land, $92,000.

55 acres, Cumberland Co., 3 bedroom house & bank barn, $110,000

If you have been thinking of selling but need some good honest advice about procedures, taxes, how & when why not give us a call, we re here to help

**FARM & HOME REAL ESTATE**

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S Baum
Carlisle
717-776-3967

Mahlon Oberholtzer
Lancaster
717-392-1177

Broker - J Irvin Denlinger
717-898-8962

PAUL M. Longacre FARMS AND COUNTRY PLACES

**MONTGOMERY COUNTY**

75 acres, $3,500 00 per acre large amount of road frontage **#139**

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs 5 rooms with livingroom fireplace 5 bedrooms & bath 2 car garage bank barn 2 machine sheds corn crib, silo & much more A very lovely setting ~~$385,000~~ **Reduced to $300,000**

**BERKS COUNTY**

97 acre secluded general farm featuring lovely 7 room Colonial private 1000' drive overlooking valley, original floors, flagstone patio, 2 ponds, stream, lovely guest house, large barn, horse stalls, 2 car garage, shop, and much more, **$325,000 #319**

95 acre horse farm with the most outstanding restored historical brown stone eight room house, bath, fireplace, guest house, smoke house and spring house Very large and outstanding 16 stall barn with large addition for steers, very good limestone soil with enough level land for a race track For the race horse lover Registered with Pa historical society **$375,000 #117 Lease possibility**

**BRADFORD COUNTY**

475 acre dairy farm 360 acres tillable Featuring 154 freestall barn with 2 bunk feeder units, double 8 Herringbone parlor with sick room office, bath & milkhouse with two 1000 gal tanks Three 24 x 60 silos and one 20 x 55 silo with unloaders, 50 x 245 pole styled dry cow & heifer barn with drive through feeding Lovely 2½ story home with 14 rooms & 2 baths, tenant house & 2 ponds All this & much more for $575 000 Call for details #311

245 acre dairy farm, 160 tillable, 60 stall barn with 6 unit pipeline, box stalls, 750 gal bulk tank, barn cleaner, freestall & loafing barn, 50 x [illegible] shed, shop, 20 x 60 & 12 x 35 concrete [illegible] unloaders & 20 x 40 Harvestore Nice [illegible] home with kitchen, livingroom, family room, 5 bedrooms & 2 baths All for **$265,000 #306** All cattle & machinery available

SALES AGREEMENT

190 acre general farm, 80 T, 90 pasture, nice 2 story home, 6 rooms & bath, bank barn, 2 silos in good condition, implement shed, garage & more All for **$105,000. #297**

180 acre, 150 tillable, level land to gentle rolling, beautiful big new rancher w/fireplace, barn remodeled w/new addition, 58 tie stalls, could easily add 16 stalls, bulk tank, dumping station, 18x65 concrete stave silo w/unloader, heifer barn & machinery shed Located on macadam road Sets very nice, must be seen to appreciate All for **$225,000.** Cattle & machinery optional Additional acreage available for rent

79 Acres 59 open & 20 wooded w/unlimited possibilities Only 5 minutes from Athens Nice view **$39,000**

94 acre general farm, large 2 story home w/8 rooms & bath, large bank barn & other buildings, **$80,000**

86 acre investment opportunity w/country living 40 acres wooded & 46 open, includes 12x70 nice mobile home w/1½ bath & garage Located in lovely setting near lake Call for details, **$69,500 #273**

**WOODED ACREAGE**

11 acres **$11,000**
38 acres **$26,700**

**SUSQUEHANNA COUNTY**

67 acres of prime hunting ground, **$34,000**

100 acre dairy farm, 63 stall barn, remodeled 8 room home w/bath, new machinery shed, 20x60 Harvestore silo, in a nice setting, **$162,000 #267.**

19 acres, lovely woodland, suitable for hunting or retreat **$22,500**

40 acres of woodland **$26,500**

Several other parcels available

**SCHUYLKILL COUNTY**

149 acre potato & vegetable farm 75 T featuring lovely remodeled home with modern kitchen & bath formal dining room large livingroom & 5 bedrooms 70 x 90 bank barn potato storage, also marketable timber All for **$165,000 #288**

**SNYDER COUNTY**

96 acre general farm, 60 tillable with nice 2½ story frame colonial double home, 11 rooms, 2 baths 2 kitchens all in good condition Large barn set up for 10,000 broilers, trout stream on property, good hunting & fishing area **$130,000 #307**

Lovely 2 story colonial plank home, 10 rooms featuring 2 livingrooms, large kitchen, 4 bedrooms & bath Located in rural area with trout stream on property $36,000
Also 12 acres of open ground with trout stream Prime for building or recreation, on hard road $32,000

**CHESTER COUNTY**

10 6 acre nice open ground, residential district, ideal for development, call for details $52,600 #227

**JUNIATA COUNTY**

**New**

156 acre general farm, 125 tillable, featuring lovely 2½ story 8 room farmhouse with country kitchen, 3 floor 15,000 bird broiler house, 100 x 80 bank barn & 30 acres box wire fencing 17 crate farrowing & feeding operation, 275 bu grain dryer with 3000 bu storage bins Concrete silo & large bunk silo, good ground All for $250,000 #320 Full line of Farm Equipment, hogs & cattle available under separate contract Call for details

10 acre w/lovely Cape Cod 8 room & 2 baths, full basement in a very nice setting, excellent for hunting or vacation home, nice view, **$65,000 #283**

**SOMERSET COUNTY**

196 acre dairy farm, 140 T, 60 tie stall bank barn w/new pipeline & bulk tank, lovely victorian home with large kitchen, DR, LR, study, 4 bedrooms & bath, 20 x 60 conc silo with unloader, large Quonset machinery shed & other outbuildings, good ground 100 acres available for rent, **$275,000 #296**

**LEHIGH COUNTY**

102 acre steer farm, barn feed lot and silo Large stone house, center entrance ready to be renovated **$200,000 #145**

**POTTER COUNTY**

16½ Acre woodland setting w/nice 12x60 trailer fronts 2 roads Good hunting & fishing $30 000 #312
40 acres of mountain land, 10 acres open Remainder woodland borders on hard road one side **$20,000 #109**

**COLUMBIA COUNTY**

180 acre dairy farm, 118 tillable 36 stalls bulk tank several sheds & second small barn corn crib 2 silos & grain storage bins Lovely 2 story farm house with 9 rooms & 1½ baths remodeled Slightly rolling & level good ground ~~$225 000~~ reduced $210 000 #310

Lovely 7 acre farmette featuring [illegible] with 10 rooms and [illegible] shed all in good cond SALES AGREEMENT approved $65 000 #309

**NEW JERSEY**

142 acre dairy farm w/nice pond & streams 2½ story home w/4 bedrooms 2 baths remodeled kitchen, living room dining room & laundry 60 stall barn & 80 stall freestall milkhouse bulk tanks large shop large machinery shed & corn crib 200x25 trench silo 14x40 concrete silo All for ~~$495,500~~ **Reduced $459,500**

**OTHER FARMS AVAILABLE**
**Please Call and Tell Us Your Preference**

## PAUL M. LONGACRE

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## Ph: 215-679-5919

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## NORTHUMBERLAND CO. & SURROUNDING AREAS

51 acre farm no house new barn subdivided & approved good return potential Possible owner financing at 10% interest $89 000

TRADE TRADE TRADE
75 acre general farm 40 tillable 20 pasture coal furnace house completely insulated new fencing pond 2 streams 8000 bu corn crib 50 x 50 barn 50 fruit trees $110 000 Additional acres available These owners would like to trade for a house and 5 10 acres in Southeast Pennsylvania $50 75 000 range

### Plain Acreage

5 acres to 125 acres from $1000 per acre to $2000 per acre

25 acres ½ tillable balance wooded stream through borders large trout stream $37 500 Financing at 9½% Owner will divide this in half

Many of these owners will finance 9-12% Interest

**PROFESSIONAL PROPERTY BROKERS, INC.**
215-362-1290
Farms & Acreage Call
Peter Cortelyou, L.R.E.S.
717-695-3471

## FARMS & LAND

THIS WEEK'S FEATURED FARMS & LAND

### FARMS

| | | | |
|---|---|---|---|
| FO-500 | Columbia Co | 112 acres | $198 000 |
| F7 102 | Northumberland Co | 141A | $141 000 |
| FO-54 | Northumberland Co | 60A | $ 85 000 |
| FO-51 | Snyder Co | 188 acres | $175 000 |
| FO-45 | Snyder Co | 137 acres | $155 000 |
| FO-48 | Snyder Co | 26 A mini farm | $ 65 000 |
| FO-75 | Snyder Co | 49 Acres | $ 65,000 |
| FO-47 | Juniata Co | 143 acres | $199,000 |
| FO-74 | Juniata Co | 26 A mini farm | $ 71,500 |
| FO-25 | Mifflin Co | 145 acres | $197 500 |

FO-25 145 Acre general farm in Mifflin Co 100 tillable acres Along Rt 522 with lots of frontage Frankstown cherty silt loam soil Some Berks soil Good producing crop farm Possible owner financing at 10% interest $197 500

FO-51 188 acre farm in Central Snyder Co Approx 100 acres tillable Good warm 8 room 4 bedroom log house 35x80 bank barn Other good buildings Long Fields Lots of road frontage Owner financing w/small down, balance at 10% interest
$175 000 **Call today**

### LAND

| | | | |
|---|---|---|---|
| LO 86 | Snyder Co | 105 acres | $ 76 125 |
| LO 66 | Union Co | 38A Near Lewisburg | $ 95 000 |
| LO-23 | Mifflin Co | 183 acres | $127 000 |
| LO 39 | Perry Co | 50 acres | $ 45 000 |
| LO 50 | Perry Co | 10 acres | $ 19 900 |
| LO 24 | Northumberland Co | 24 A | $ 20 000 |
| LO-55 | Northumberland Co | 49 A | $ 40,000 |

### OTHER

RO-122 Lovely 3 bedroom brick rancher on 56 acres with 25 acre lake, Snyder Co $91 500

**Bowen Agency inc.**
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Evenings call Realtor Assoc

Phil Graybill, GRI — Snyder/Union — 717-374 8038
Don Bashore — Juniata/Perry — 717 436 9213
Paul Kuhn — Northumberland — 717-374-4144
Dallas Will — Mifflin — 717-543 5685

REAL ESTATE

Lehigh Co Farm, 250 acre grain farm located in Breinigsville in Upper Macungie Twp exc soil, almost entire farm tillable, property has over 10,000 ft road frontage on 4 blacktop roads lg stone farmhouse circa 1830 in liveable condition

Lehigh-Berks Co , 158 acre general crop farm 120 acres tillable balance woodland & pasture Brick farmhouse stone barn large stone equipment building good outbuildings stream etc

Farm & Land Brokers
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WE ARE LOCATED ON RT. 222 IN WESCOSVILLE
STOP IN ANYTIME TO TALK ABOUT FARMS

## NORTHCENTRAL PA. FARMS & INVESTMENTS

Priced To Sell — Priced To Sell

**EVERYBODY CAN AFFORD THIS ONE!** - Operating Dairy Farm in Sullivan County. 36 new comfort stalls. 10 smaller stalls. 30 ex. free stalls in back with automated bunk feeder. Barn Cleaner for both sections of barn. 100 gal. bulk tank & universal pipeline. One 20 x 60 silo w/unloader. Approx. 136 acres 60 tillable. 125 tillable lease ground for approx. $7 p/acre Ex. 2 story, 4 bdrm. remodeled home w/2 types of heat & rewired. Also inground pool Just $115,000. M-155 PH. 717-662-2138.

**342 ACRE DAIRY FARM** - In the heart of Tioga County Heifer shed, 54 head barn with room for expansion, pipeline, barn cleaner, bulk tank, 20 x 75 & 14 x 40 silo's, unloaders, 2 ranch style homes, large shop, two 24 x 60 machinery sheds More land available Priced at $235,000.00 W-507 PH 717-724-5921.

**189 ACRE DAIRY FARM** - 60 ac pasture, 85 ac tillable, 5 BR Colonial home 45x90 barn with 44 tie stalls and attached 20x100 heifer shed, 16x40 silo, milk house w/bulk tank, 32x36 barn w/hay storage, several other structures on property. Much much more Cattle & equip may be purchased with real estate, price to be established at time of sale. $129,000. W-520 PH· 717-724-5921

**TIOGA COUNTY BEST** - 121 ac Dairy farm with 90 + tillable. 2 yr. old ranch style home VG condition. Brand new 24 head dairy barn, two 14 x 30 new silos with unloaders, new milk house, much more. One of the better flat land farms in the County Owner is saying "Sell" - because of serious health problems Priced at $120,000. W491 PH 717-724-5921

**VEAL FARM** - Presently 120 HD operating Veal farm with potential for 300 head or more in 3 large existing buildings. Contract available for sincere buyer. Garage & workshop. Gas operated generator, 2 wells Gorgeous 3 BR house remodeled in the best of taste, attached garage, much more All on 28 ac. All ready to go for the young tiger at ~~$84,500~~ W-475. Reduced to $79,500. PH 717-724-5921.

**162 ACRE FARM** - Lg 2 story barn, 24 x 50 pole barn & 3 outbldgs Very good country home & new 3 car garage. 65 ac till , 55 ac pasture w/2 yr old fence, bal wooded. Real beauty w/stream & potential! Exc for $75,000. C-382 PH 1-814-367-2249.

**SCENIC FARMETTE** - Tastefully remodeled 2 story farm house. 3 bdrm., full basement, 2 car garage Wood, gas and hot water B B. heat North Fork Creek thru property w/31 acres wooded and open. Beautiful location and more for $45,500. C347 PH· 1-814-367-2249

**ELABORATE CAMP** - Cozy 5 room camp in superb condition. Fully furnished, carpeted and insulated Relax indoors with a gas - wood fireplace and outdoors with a lg redwood deck and gas barbeque Well and septic on site. Area offers easy walking distance to the Genesee River, good hunting and striking views. Priced at $16,700 C-437 PH 814-367-2249.

CALL OR WRITE US FOR OUR FREE LISTS!

The Real Estaters

Offices Area Code - 717
TIOGA & POTTER Counties call or write
WELLSBORO, 120 East Ave 724-5921
WESTFIELD, 108 Main St 814-367-2249
MANSFIELD, RD 1 Box 41 662 2138
AND BRADFORD County call or write
TROY, 533 Elmira St 297 2118

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## CENTRAL PA FARM LISTINGS

### BEDFORD COUNTY

**GENERAL FARM** - 44 acres (28 tillable), 2 story house, garage, workshop, & bank barn in good condition Small stream & pond 20 miles from Johnstown $75,900

**GENERAL FARM** - Dairy farm 155 acres (SOLD able, 30 pasture) Includes 6 bedroom house, bank barn, machine & small stream $155,000 Owner financing available Farm can be for sale to simultaneous buyers

### BLAIR COUNTY

**GENERAL FARM** - 120 acres (106 productive, tillable, 14 woodland), near Williamsburg Solid 2 story frame house and bank barn ideally suited for livestock Buildings are centrally located on land $215,000

### CENTRE COUNTY

**THREE AMISH LISTINGS - ALL CONTIGUOUS APPROX 2 MILES EAST OF REBERSBURG**

**No 1 - 70 ACRE GENERAL FARM** — 2 Story frame house, bake shop (which could be converted to a house) bank barn, calf barn, implement shed, corn crib Combination All building new since 1970 28 acres of productive tillable land 40 acres woodland, $136,000

**No 2 - 132 ACRE DAIRY FARM** - Sound 2 story house, large bank barn with 27 tie stalls, milkhouse with 600 gal bulk tank, 2 silos, new cattle or horse barn, 85 acres of productive tillable land 5 acres pasture, 40 acres woodland $248,000

**No 3 - 147 ACRE GENERAL FARM** - 2 story stone house, 2 bank barns (one with 29 tie stalls) workshop, 12'x55' concrete stave silo, stream & pond, 80 acres tillable, 30 acres pasture, 37 acres woodland $195,000

**FARMETTE - New Listing** - Jacksonville area, excellent log home with ultra modern kitchen, new Morton 36x63' barn, 20 acres total with approx 18 acres of level tillable land, 1 acre woodland & 1 acre site, $98,500

**FARMETTE - New Listing** - Potters Mills area, log & plank house, 2 story barn, good stream frontage situated on approx 8 acres (4 acres tillable, 4 acres pasture & site) frontage on Rt 444, $49,500

**GENERAL FARM** - 108 acres (77 productive tillable, 19 pasture, 12 woodland & site) Near Aaronsburg, 2 story brick house, bank barn, milk house, other out buildings, small stream Owner financing $125,000

**GENERAL FARM** 88 acres (70 tillable, balance pasture & woodland), near Millheim large bank barn, Mobile home (no house), silo, small stream Owner financing $93,000 Adjoins farm listed below

**GENERAL OR LIVESTOCK FARM** 150 acres (142 tillable) In good agricultural area near Millheim in Penns Valley 2 Story house, large 2 story bank barn & other outbuildings Owner financing $185,000 Adjoins farm listed above

**GENERAL OR LIVESTOCK FARM** - 75 acres (65 tillable), log & plank constructed house, new 40x80 2 story bank barn, 14x40 concrete stave silo Between Spring Mills & Potters Mills $149,500 Partial owner financing 140 acres tillable land available for rent

**GENERAL FARM** - 215 acres in Curtin Township near Romola adjacent to Sproul State Forest Picturesque with tillable and wooded acreage, 2 story house 2 car garage very good condition Stream provides water for house and pond Excellent investment Ideal for horses or recreation $150 000 Owner financing

**GENERAL OR HOG FARM** - Near Spring Mills, 75 acres (30 tillable, 12 pasture and 33 woodland) 2 story frame house 40 x70' bank barn with 29 x39 attachment 2 corn cribs Barn equipped for farrowing and finishing hogs Small stream Approximately 18 miles from State College Complete $97 500, 75 acres + barn only $68,500, 39 acres + barn only - $52 500

### CLINTON COUNTY

**LIVESTOCK FARM** - 78 Acres (57 tillable) near Mill Hall excellent 2 story house, bank barn implement shed 2 garages, stream $94 500

**LAND** 33 Acres located in Beech Creek Twp Clinton Co 1 6 mi from Beech Creek, Pa on Rt 364 West Property is totally wooded Beech Creek stream runs along entire eastern boundary $35 000

### COLUMBIA COUNTY

**TWO CONTIGUOUS FARMS DIVIDED BY I-80**

**UNIT A - SOUTH OF I-80 - GRAIN & LIVESTOCK FARM** - 348 acres, (265 highly productive tillable 81 woodland, 2 site) Complete with 2 homes large bank barn, grain dryer, 44 500+ bu grain storage & Butler building reinforced for additional grain storage Land from Unit B below could be rented by buyer Very attractive interest rate with owner financing $605,000

**UNIT B - NORTH OF I 80 - GENERAL OR LIVESTOCK FARM** 185 acres (85 highly productive tillable 90 woodland 10 pasture & site) Nice 2 story frame house, large bank barn several streams & pond Very attractive interest rate with owner financing $285 000 Unit B available with Unit A or for simultaneous sale to separate buyers There is an overpass to cross I 80 near these farms

### HUNTINGDON COUNTY

**GENERAL FARM** - McAlveys Fort 120 acres (70 tillable) Excellent house, bank barn implement sheds corn cribs, silo w/unloader & bunk feeder new hog finishing barn $245 000

**DAIRY FARM** - 330 acres (175 productive Hagerstown tillable 125 pasture & 30 woodland) 3 dwellings large bank barn with 36 tie stalls & pipeline milker 2 concrete stave silos with unloaders & miscellaneous outbuildings Dairy facilities are less than 2 yrs old Water supplied by springs $340 000 Owner Financing

### LYCOMING COUNTY

**LIVESTOCK OR DAIRY FARM** - Near Lairdsville 270 acres (165 level very productive tillable) Good 2 story house bank barn 60 x 120 cattle barn suitable for freestalls 20 x 60 Harvestore 2 streams Owner financing $325 000

### MONTOUR COUNTY

**GENERAL OR LIVESTOCK FARM** 5 miles southeast of Muncy 210 acres (110 productive tillable 45 pasture 55 woodland) Excellent house bank barn implement shed good road frontage stream frontage Ideal Livestock farm $219 500

### NORTHUMBERLAND COUNTY

**GRAIN OR LIVESTOCK FARM** -Near Turbotville 231 acres (174 very productive tillable) Good 2 story house bank barn implement sheds & like new grain drying facilities Owner financing $344 000

### PERRY COUNTY

**SMALL FARM** - 7 miles from Mifflintown on South Rt 35 20± acres (Approx 17 tillable acres & 1 acre of woodland) additional acreage available good 2 story frame house remodeled interior 2 story barn outbuildings nice setting good road frontage $89,000

### UNION COUNTY

**SMALL FARM** - Adjoining Swengel 29 acres (26 highly productive tillable) good one story frame dwelling good bank barn outbuildings pond $84 500 Adjacent original 2 story farm house & outbuildings also available $28,500

**SMALL FARM** 4 miles north of Mifflinburg 33 acres (24 productive tillable) 2 story house storage facilities 2 corn cribs Completely fenced for cattle $99 500

MANY LAND PARCELS AVAILABLE CALL OR WRITE FOR FREE LIST

**FARM AND LAND DEPARTMENT**
Fred Strouse (814) 364-1705
Don Myers (814) 422 8111 — (Lewisburg) Larry W Platt (717) 568 5563
Mel Rockey (814) 466 6688 — (Bedford) Richard D Reed (814) 839 4271

KISSINGER LEONARD & ASSOCIATES Realtors

Frederick J. Kissinger, Realtor
William H. Leonard, Realtor
245 S. Allen St ,
State College, PA 16801
(814) 234-4000

The Professionals in Farm Real Estate Service

REAL ESTATE

L-316 Adams County Dairy & Layer Farm, 136 acres, large brick home, 22,000 bird layer house, dairy barn, silo, bunk feeder Sellers will sell dairy & layer separately to two simultaneous buyers $310,000.

L-3363 Profit from the fruits of your labor on this small Adams Co. orchard. Excellent return on investment. Nice 2½ story home, sales room, several out buildings.

L-3327 Juniata Co. Dairy, 85 acres mostly tillable, large bank barn, large brick & frame home Fronts on Rt 75 & Tuscarora Creek, additional acreage available for lease or purchase. $135,000 Owner financing available

Buying or selling farms in York & Adams Co, check with Dan Rodgers Farm Specialists, Key Real Estate, 108 York Street, Hanover, Pa. 17331 Phone 717-632-6400

(hel

KEY REAL ESTATE

REGIONAL ASSOCIATE HORSE FARMS OF AMERICA, INC

104

## SOUTH CENTRAL PENNA. FARMS

IN CUMBERLAND CO.

**GENERAL**

161 Acres fertile level sandstone soil, 10 room (5 bedrooms) stone and aluminum house. Large living room with fireplace, enclosed porch. Extra large bank barn. Owner financing.

**DAIRY**

131 acres, Hagerstown limestone soil, modern 7 room frame house, 50 tie stalls, pipeline milker, 1500 gal. bulk tank, 100 freestall barn, 3 silos, large implement shed, ready for today's dairyman. 100 acres additional cropland available for lease.

**GENERAL**

75 acre estate setting within minutes of turnpike, I-81 and Rt. 11 Gently rolling land, bank barn, modern 2 story frame house, stream, road frontage, creek frontage.

**GENERAL**

Lovely setting secluded remodeled 2 story brick house w/4 fireplaces, barn and silo. Yellow Breeches Creek flowing through pasture on this 67 acre limestone soil farm.

**LAND**

63 acres, fertile limestone soil, all tillable, no buildings.

HUNTINGDON CO.

**GENERAL**

172 acres shaly silt loam, modern 7 room house, barn and other out buildings, nestled in Trough Creek Valley near Raystown Lake.

**DAIRY**

166 acres shaly silt loam, spacious brick rancher with attached office and 2 car garage, bank barn with 12 stanchions, large implement shed, woodland, stream, road frontage, included is 1 room brick school house.

**DAIRY**

136 acres shaly silt loam, 20 tie stalls, 300 gal. bulk tank, bank barn, frame house, stream, road frontage, near Raystown Lake.

PERRY CO.

**DAIRY**

102 acres fertile soil, large bank barn, 42 tie stalls, 500 gal. tank, silo with unloader and feeder, implement storage, stone house, road frontage, pond and streams. Ready for today's dairyman.

**SELLING "YOUR FARM"?**

CALL FOR

"NO OBLIGATION APPRAISAL"

Farm Representative
Charles Wenger 717-263-0945

**GEORGE L. EBENER & ASSOCIATES, REALTORS**
139 West High Street
Carlisle, Pa.
Phone - 717-243-6195

REAL ESTATE

## 50 ACRE FARM WITH VEAL BARN

2 yr old excellent condition veal barn, fully equipped, ready to go 16 tillable, 20 pasture, fenced, with creek, some woods. 4 bedroom home, good condition, 45x60 barn with 32x60 overshot loafing area, 5 bay implement shed, 20x20 block butcher house. Other outbuildings
Beautiful View! Mifflin County
**$89,500 Owner 717-899-7418**

**Adjoining Land Available**

37 acres, 23 tillable, 14 woods, **$30,000.**
77 acres, 11 tillable, **$550** per acre.
51 acres, 7 tillable, **$550** per acre

## CENTRE CO. LAND

64 acres California Hollow Centre Co, level to gentle rolling Unpolluted stream flows thru Marketable timber, bldg sites shale bank $36,000/owner financing

30 acres 2 miles from Sayers Dam Howard Centre Co Level, good access marketable timber, bldg sites, $23,750

14 acres Marsh Creek, Centre Co Gentle slope, excellent access Open and wooded, great hunting and fishing Bldg sites $15,400/owner financing

Also available, 60 150 acre tracts No buildings, tillable and wooded Create your own farm and/or buildings

Please call Miles Clevenstine Realtor Assoc
814-383-2755 or 234-1150

**KIMBALL REAL ESTATE**
Suite 1, 1001 University Dr
State College, PA
814-234-1150
MLS

UNITED FARM REAL ESTATE

**NEW LISTING** - 104 acre dairy farm in Mifflin Co near McVeytown All buildings in excellent condition Large 40x80 cow barn laminated rafter w/attached 36x72 heifer barn 40x64 implement shed, 14x16 milkhouse w/500 gal bulk tank 20x65 & 14x50 silos 5 bedroom house in excellent condition Priced for quick sale $189 000

**HUNTINGDON COUNTY DAIRY FARM** - 176 acres with 125 acres of level farmland in hay & corn Barn set up for small herd Stream on two sides Comes stocked & equipped

**LARGE FARM & DEVP LAND** - 1150 acres near metro area Half wooded 200 acres mowed Prime development site

**PRODUCTIVE 200 ACRE DAIRY FARM** - Over 100 tillable 48 cow barn Rafter barn Pipeline 4-bedroom home W/WO cows & Equip $200 000

**190 ACRE BOTTOM LAND FARM** - Approx 180 tillable Excellent for corn & beans Long road frontage Large barn used for beef $219 000

**15 ACRES**-with 25 additional tillable acres available $16 900

**160 ACRE DAIRY FARM SET-UP** - for small herd 15 stanchions bulk tank wood silo Hog pen garage equip shed spring house large farmhouse Near 138 acre farm $225 000

**LARGE 200 HEAD DAIRY** - with double six parlor 20x60 stave 20x60 harvestore & 20x70 Crop store Badger slurry system 2000 ton trench (200 head free stall barn) Home has been completely remodeled large family room with woodburner 7 bedrooms laundry room w/w carpet

**SAW TIMBER** - 154 acres in Central Pa in Nittany Valley Estimated 400 000 bd ft $59 000

**SAW MILL** - Only saw mill in Pa with guided tours Includes 536 acres of timber that will cut over 6000 bd ft per acre

62 4 acres on Jacks Mountain Excellent hunting

**BLAIR COUNTY** - Morrison Cove Dairy Farm 117 total acres 7 pasture with Clover Creek running through 3 acres woodland 100 acres rich limestone flat farmland large bank barn with 30 stalls bulk tank machine shed 3 car garage hot & chicken pen corn crib shed Mountain water piped to house & barn drilled well Near Old Order & Eastern Mennonite Churches $275 000

**Additional farms & land available Large & small tracts for farming or development**

**THOUSANDS OF CUSTOMERS have contacted United for property Let's talk about finding a buyer for yours**

**UNITED FARM AGENCY OF PA. INC.**
R D #1 Box 395-D
Roaring Spring, Pa 16673
814 224-4464

REAL ESTATE

## JUNIATA CO.

72 acre general farm suitable for steers or hogs. Log house containing 5 bedrooms, good condition. Barn, corn barn & silo, $85,900

## LEBANON CO.

57 acres level land, no buildings, suitable for farming or development, Jonestown area.

**LEOLA REALTY REALTORS**
127 W. Main St., Leola, Pa.
717-656-2281

**OPPORTUNITY CAN BE YOURS ON THIS SOUTH CENTRAL PA. DAIRY FARM!**

- Excellent milk marketing area.
- Bountiful crops: alfalfa, brome grass, corn and oats grown on this farm.
- 50 stanchions with 2 inch stainless steel pipeline "DeLaval" milking system.
- 2 silos with unloaders, stable cleaner.
- Machine shed, section heated.
- Tastefully remodeled house with all conveniences.
- 125 tillable acres, 35 pasture, 90 woodland.
- $350,000, owner financing for qualified buyer.

**INVEST IN LAND!**

- Excellent investment property.
- Adaptable for horses, sheep or beef.
- 130 Acres tillable, 120 acres woodland with good timber ready for logging.
- Large house, good condition.
- 55'x65' barn and other small buildings
- Several streams, price $250,000.

Selling or Buying...Call Jesse!

**Jesse D. Ziegler**
**215-488-7372**
**Office number 717-733-6501**

DR MEMBER TREND
**Dominion Realty, Ltd.**
1248 W. Main St.
Ephrata, PA

MAILBOX MARKET

For Sale Corn fed, home grown turkeys for Christmas Call 717 872 2168, Lanc Co

For Sale 8x16 all oak truck flat bed, Walsh 300 gal 6 row field sprayer York Co 717 229 2352

For Sale Winpower tractor driven alternator 35 20 105 amps, good cond, Chester Co 215 593 6359

For Sale Apples, Red & Golden Del Red Romes & Yorks, $5 00 per bu Cider $1 40 per gal Custom cider pressing by appointment 717 354 7209

For Sale 4000 bales wheat straw, can deliver 3 ton loads Lehigh Co 215 767 2388

For Sale Gallion 4 cu yd dump box 3 ft high x 9 ft long on Chassi working, no rust $800 Lebanon Co 717 865 3857 or 865 6860

For Sale Eight volt battery Lancaster brand one year old good condition $30 Lanc Co 717 872 7956

MAILBOX MARKET

For Sale NI steel wheel wagon running gear - $50 Also Wanted Ford 501 grass mower and David Bradley Side rake, Dauphin Co 717 469 2897

For Sale Enterprice (32) meat grinder run with tractor pulley, Antique meat grinder and sausage stuffer dated 1850 on bench All steel factory build work bench 215-926 3432 Berks Co

For Sale Fine selection of Reg Shropshire ram lambs for breeding and/or show Ewes lambs, D Ambra bloodlines 717 949 3653 Leb Co

For Sale 1 male Fox Terrior pup, light brown around eyes Abner L Stoltzfus #2 Peach Bottom pa 17563

Wanted 28 in thrashing machine also McCormick No 9 or Gehl ensilage cutter Enos King Jr Quarryville #3 Box 375 17566 Lanc Co

For Sale Warm Morning Stove Living room suite washer 66 Ford Truck, Hydralic dump trailer 501 3 pt Ford mower 717 866 2585

MAILBOX MARKET

For Sale 2 AGS Saanen Bucks 7 weeks Dam first freshner 1850 lbs 330 days, weighed daily, Lebanon 717-964 3097

Wanted Couple to rent farm can have chickens & steers, veg celery & irrigation equip available plenty of water Leb Co 717-933-4333

For Sale One New Van Dale TMR Mixer Feeder, very low price, Also 20' Magnum silo unloader, 717-966-3264

For Sale 1973 Chevelle SS PS auto 350 engine, 1 owner good condition, also 3 Char heifers approx 650 lb Sch Co 717 345 4489

For Sale 1978 Fairmont 4 dr PS AT AM FM 4 cyl 23,000 mile $3400, 2 farrowing crates, $50 each, York Co 717-292 4416

For Sale- Large Oxygen bottles, $50 each Tailgate cinder spreader for dump truck, $1850 717 652 1957 Harrisburg

For Sale Reg and Grade cows and heifers, Snowman, Chief Grand Dau Two Big Ivanhoe Star Daus and others 717-687 7475, 717-464-2273

For Sale- Complete stereo outfit, in time for Chirstmas, slightly used valve $300, sacrifice for $170 /17 865-3281 Leb Co

For Sale 2000 burlap bags 35 cents each Seed corn $25 to $45 unit Alfalfa seed $122 bag Clover seed $60 bu 7 28 28 fertilizer $200 ton 717 444-3968

For Sale- 2 Barrel Carter Carborator $15, 2 Barrel Manifold $40, 4 Barrel Holly 650CFM $50, 4 Barrell Manifold for 318/340 $50, Fender Skirts 1956 Ford Vic $25 717-569-3958 after 5

For Sale McCormick Deering No 9 two horse mower, 6 ft cut 2 spare blades, $60, 1948 Case Tractor (VA 48) with 6 ft adjustable snow plow, $675, Both VG condition Adams Co 717 334 1395

For Sale Snowmobile, 400XR Suzuki, twin cylinders, twin carb, full instruments, cover 647 mi, all original, $575 717 665 6059 evenings

For Sale Twenty five Jamesway Stanchions with stall posts, maternal robot, Wanted Veal calf mixer, large hog feeder 215 795-2107

For Sale 1969 F Model Mack, 237 Engine, completely overhauled 10 new tires, newly painted, $5500 66 Utility Trailer, 40' long, 13' high Insulated, good condition, $2200 215-286 9851 Lanc Co

For Sale Nubian billy goat, naturally hornless, from show & high producing bloodlines, very aggressive 717 442 4949

Wanted Parts or Complete undercarriage for Int TD 9 crawler loader, must be in good condition, 717 682 9581 Schuylkill Co

For Sale MF 175 diesel on steel, JD 3 pt hitch, 3 bottom 14 in trip back plow $350 Lanc Co 215 445 4730

For Sale 25 grade ewes bred to pure hampshire ram, good proven mothers $60 each Few small ewe & ram lambs $40 Berks Co 215 582 4800

For Sale Simco Western saddle & brindle complete, black w/white buck stitching everything in excellent condition $400 also Wanted- whole oats for horse feed Lanc Co 717 898 8420

For Sale Service age Reg Hol Persuader Bull born 11 14 79, $900 Berks Co 215 683 3391

For Sale- 3 ton steel bulk feed bin repaired & painted $350 717 768 8422

## MAILBOX MARKET

For Sale Guinea Pigs All colors $2 each Lanc Co 717 665 4182

For Sale Oliver OC46 crawler loader runs good bad undercarriage gasoline $1400 Chester Co 215 431 2987

For Sale 9 mo old Toggenberg doe $70 Perry Co 717 536 3576

77 Ford Pick up 350 1 ton heavy duty for pulling trailers Runs and looks great $2300 firm Chester Co 215 384 5724

For Sale 8 Black & Decker air skill saw used very little $500 John R Peachey Star Route Box 37A Belleville PA 17004

For Sale 50 feeder pigs average 45 lbs good quality York some Duroc cross Amos Miller 238 Newport Rd Leola Pa

Wanted Manual tire changer new or used Tony 215 444 2725

For Sale 1953 Chev stake body truck dual wheels 38 sides custom cab corner windows 75 000 miles inspected til May 81 Firewood unsplit $60 split $70 717 896 8260 Dauphin Co

For Sale JD 1240 plateless 4 row corn planter w/monitor double disk openers like new $2195 Set for 30 rows Lanc Co 717 548 2559

For Sale NH 256 rake w/rubber teeth used less than 40 acres $1 295 NI 272 cut ditioner used approx 85 acres $1 995 Lanc Co 717 548 2559

Mini car 1979 Ford Mustang pace car 3 h p go cart style $850 Cash York 717 757 3306

For Sale Reg Polled Hereford heifers two 2' yrs old, due Spring RWJ Rollo & Distinguished breeding Bred to son of Vindicator (Superior Sire) 304 289 3080 Mineral Co

Int Lo boy cub w/attach J D lime drill Farmall M, Saw buck J D cult Timothy hay 215 262 9781

For Sale Large Holstein heifer vaccinated due December 15 $1100 Northampton Co 215 588 5791

Worthington Red Seal tractor w/dump bed 4 cyl hyd brakes $600 & Ford 8N tractor w/front snow plow $1600 215 644 3535

For Sale 30 Guineas $4 each 717 597 7743 Franklin Co

For Sale 8 acre farmette rancher & new barn with 2 box stalls $49 000 Also 71 acre farm $1750/acre Both York County New Bridgeville Area 717 927 6570

For Sale Muscovy ducks from now until Chirstmas live or dressed Christ L Zimmerman RD1 East Earl Pa Wentzel Road 1 mile NE of Terre Hill Lanc Co

For Sale JD 45 combine 10 platform, Int 7 heavy offset disk AC CA tractor narrow front NI No 7 cornpicker Bucks Co 215 249 3623

For Sale Oil heater rabbit hutches roll roofing old horse drawn hay tedder 215 926 3973

Wanted Drive unit for Patz cleaner or complete cleaner in good condition counter clockwise rotation, Berks Co 215 682 6186

For Sale Fox terrier pups 5 weeks old $15 John Esh Kirkwood R1 along Liberty Road

For Sale Registered bull Born 1 26 80 Sire Milu Betty Ivanhoe Chief Dam 305 days 22 316 797F 81GP $750 or best offer Berks Co 717 933 4989

For Sale American Saddlebred stud horse stands 16 hands broke excellent traffic safe & sound Amos S Stoltzfus 552 Beech Dale Rd Bird in Hand Pa

## MAILBOX MARKET

2 boiler flues 65 cents a foot also hit and miss engines clnt 4 HP famous NH s 717 354 9939

For Sale Polled Hereford steers 400 500 lbs Perry Co 717 438 3556

Wanted Old antique #6 NH grinding mill & NH engines or parts or NH tools 717 354 9127

For Sale Reg Holstein bull sire Jet Stream dam Job ready for service Also 5 11 grain auger good cond Berks Co 215 562 4161

Truck topper white fiber with windows 8 x30 $75 215 445 6816

For Sale Guernsey family cow $700 Also heavy duty air compressor without motor $100 717 354 0204 Lanc Co

Wanted Good firewood buck saw Prefer 3 pt & pto model Lanc Co 215 445 5734

For Sale Red Delicious apples firewood Blue Spruce Christmas trees Best prices in the area Columbia Co 717 672 2638

For Sale Timothy hay wheat straw no rain $1 25 bale picked up at farm 717 741 3089 York Co

For Sale 656 diesel tractor NF 3 pt 656 gas tractor NF 3 pt 234 Int 2 row corn picker Farmhand Dump boxes 2 Grain Trailers Int 4 row corn planter Model 400 cyclo 717 637 2251 day 5270 night York Co

For Sale Pomeranian pups Wanted Water distiller to set on stove Lanc Co David Stoltzfus Gap R1 Box 470 Millwood Pa Rd 17527

For Sale 2 tires like new GR70 14 Grand Prix steel radial traction & 2 new Doral G78 14 tires reg tread 717 933 4711 Berks Co

For Sale 1938 JD A tractor good cond $750 717 866 2286 Lebanon Co

F W D Dump Truck with snow plow bracket $1000 Cook stove coal $75 Bucks Co 215 968 4808 nights

For Sale 206 spreader new beaters & wide spread $975 NH crusher $295 F700 Ford truck with 20 ft bed 717 354 0266

For Sale Myers pump jack 6 stroke $50 00 215 445 4971 Lanc Co

For Sale Golden Sex Link Yearling Hens $1 each 717 464 2408 Lanc Co

Wanted Used thickness planer 12 22 Rockingham Co 703 879 9536

For Sale Complete set of Childcraft in good cond $60 Nathan H Martin #3 Peinholds Pa Denver Pa 215 267 3460 Lanc Co

Wanted #188 Chop King Gehl harvester must be in good shape Lanc Co Write Henry Beiler 129 S Maple Ave Leola PA 17540

For Sale Fox Terrier pups 215 445 5522

6 mo old Reg Polled Hereford bull out of R W J Rollo sire & Remitall Emblem 96E Dam Columbia Co 717 925 6827

For Sale Tobacco bale boxes & wood stoves for stripping room etc Jacob M Stoltzfus 2870 B Church Road Bird in Hand PA 17505

For Sale Hay or silage feeder on NI running gear Hog shelter 8 x16 also 2 smaller shelters free Lanc Co 717 653 2819

For Sale Grade Hol heifer due Mid Dec Dam by Ivanhoe Star Milk cooler compressor w hp motor Call after 6 30 p m 215 486 0460 Chester Co

1 Row Ford corn picker $400 working order Pleasing Valley Farms Nazareth 215 [illegible]

# HARRY LEFEVER IS PLAYING SANTA AGAIN!

(PARTS MANAGER)

## WITH SPECIAL DISCOUNTS ON IH WINTER TILLAGE PARTS

NOW THRU DEC 31, 1980

**5%** OFF ON PURCHASES OF $25.00 TO $75.00

**10%** OFF ON PURCHASES OF $75.00 TO $150.00

**12%** OFF ON PURCHASES OF $150.00 & UP

**BUY NOW & SAVE**

★ IH Tillage Parts Only

# SERVICE SPECIAL

FREE HAULING

On Any Tractor or Equipment Brought Into Our Shop For Repairs During December

PLUS...

10% PARTS DISCOUNT ON ALL OVERHAULS

## IH MODEL 3588 4 WHEEL DRIVE ROW CROP TRACTOR 18.4x38 Radials, Cam Limiter Hitch, Auxiliary Lighting, Diff. Lock, 540 & 1000 RPM Power Take Off.

*THIS TRACTOR MUST BE SOLD IN DECEMBER AT SPECIAL SAVINGS!!*

## NEW EQUIPMENT

**56 BLOWER**

Special Price **$1725**

1190 Mower cond
1250 Grinder Mixer
720 & 820 Forage Harvester
2250 Loader
4500 Vibra Shank field Cult
5500 Chisel Plows

## SANTA'S HELPERS

(SALESMEN)
Ken Neff & Dean Bicksler Say:

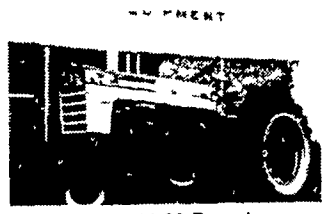
### 'TIS THE SEASON TO BUY & HERE'S WHY:

1. We will sell tractors and equipment listed below at under factory costs.
2. Our selection of good used tractors is much better than what it will be in the spring.
3. Newer machines have lower maintenance costs
4. Improve production and efficiency with a new machine
5. Claim an investment tax credit to reduce your capital investment
6. Lower your taxable income with an additional depreciation deduction for 1980
7. Receive a better price for your trade-in

## NEW TRACTORS

584 D
384 D
Hydro 84D
986
1086
3588

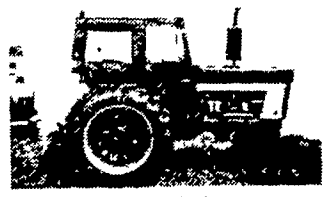
## USED TRACTOR SPECIALS - Make An Offer On Any Of These:



Farmall 560 Diesel, new paint, excellent cond

Farmall Super A, excellent mechanical condition

Farmall 1066, 20' rubber very low hours, local tractor



F 966, overhauled engine, 2100 Hrs, very good condition

### USED TRACTORS

Int 544
Int 2606 D Loader Backhoe
Far Super A
Ford 9N
MF 85D
AC CA w/cultivators
JD A w/cultivators
JD 4020 D, powershift, turbo
Int 606 D Engine overhauled, New paint
Far 560 D
Far 350 D, new paint
Far 966 w/cab, recently overhauled
Far 1066 low hrs
Far 450
Far 230 w/cultivators
Far 460 w/Int #52 loader

### USED TILLAGE

MF 3 Bot 14' plow
JD 3 Bot 14" plow
JD 2 Bot 16" plow
White 3 Bot 16" cushion trip plow
Taylor-Way 9 tooth Chisel plow
(2) Int 2 Bot fast hitch plow
(1) Int 3 Bot fast hitch plow
JD KBA drag type disk harrow

### USED HAY & FORAGE

Int 46 Baler w/thrower
JD 336 Baler w/#30 Thrower
JD Blower
Sickle bar mower for Far A
Dion Forage Box, roof & third beater
NH 717 Forage Harvester
Int 2 MH corn pickers
Fox 546 Harvester w/2 row corn head & hay pickup
Int 461 Forage Box

### JUST TRADED!

- IH 1460 Combine w/6 Row Cornhead, Used 489 HOURS
- IH SOLD 'Cab & Air, Used 711 Ho[illegible]

### MISC.

Int 13 x 7 grain drill
Int #10 13 x 7 double disk grain drill
Oliver 18 x 7 grain drill
Henderson loader for Super C trac
Int 175 manure spreader w/upper beater, very good cond
Int 251 3 pt hitch corn planter
Straw chopper for 715 combine
Hesston PT-10 Mower Conditioner
Int 205 Combine w/10 ft platform

### USED TRUCK SPECIAL

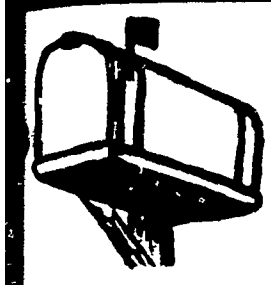
1976 Int. 1800, 33,000 G.V.W, air brakes, 5 speed transmission, 2 speed rear, long wheel base, 446 engine, P.S, driven less than 80,000 miles.

# HERITAGE INTERNATIONAL INC.

★ TRY OUR CERTIFIED SERVICE

1054 SOUTH STATE ST., EPHRATA, PA 17520
PHONE 717-733-2283

★ WE HAVE PARTS TOO



# FREE

Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules.

Limit your advertisement to 20 words. area code must be added to phone number and due to repeated requests please include your county for buyer and seller convenience. all advertisements must be mailed to the office by Tuesday or same will be held over for next week's paper. no business advertisements accepted.

Include your Lancaster Farming mailing label and mail to

Mail Box Market
Lancaster Farming
P O Box 366
Lititz PA 17543

No Phone Calls Please

**MAILBOX MARKET**

For Sale Holstein bull service age with good background (Rocket son) Also springing heifers & dry cows (overstocked) Lanc Co Enos K Beiler Box 54 Strasburg RD2 17579

Wanted 4 Harness 36 floors model loom for weaving in good working condition reasonable Mark W Loper RD5, Bridgeton NJ 08302

For Sale 1978 Chev Luv 4 cyl automatic trans 7 box 28 000 miles, $3999 1 black brown ram 1 ½ yr old $65 Luzerne Co 717 868 5227

For Sale Oliver 70 Oliver 14 inch 3 bottom plow New Holland hay conditioner 717 837 3271 Snyder Co

For Sale 2 wood & Coal furnaces 1 Holland & 1 Lennox Kalamazoo Banner Cookstove 6 5 Galvanized 6 stove pipe (new) Lamar Kastenbauder Rt 11 York Pa

Wanted Flemish or Checkard does 717 365 3582

For Sale 5UD2 catepillar, D4 catepillar with blade and TD9 with blade 717 626 5678

For Sale 3000 100 lb burlap seed potato bags used one time 717 993 5507 York Co

For Sale Collie puppies purebred but no papers 6 wks old $20 each Also will give away semen from Apollo son stored at ABC Cumberland Co 717 776 3424

Wanted NH skid steer loader $225 325 or 445 Used in any condition Preferably with bad engine 717 768 3729

For Sale 2 hole int corn sheller good cond 717 687 8536 Lanc Co

Like new 12 24 slate $ 30 apiece 717 626 4191

Wanted Hired box starting anytime before April John L King 38 S Belmont Rd RD2 Paradise PA 17562

For Sale Slurry Pan for NH spreader complete with brackets, like new $100 215 942 2090 Chester Co

Wanted Rollermill for small grain prices with best letter Ezra J Yoder RD1 Box 299 Hartly Del 19953

For Sale 2 story farm house sitting on an acre of ground Just off Rt 300 near Kenton Del 302 653 7218 or 653 9124

**MAILBOX MARKET**

For Sale Black Walnut Boards, dried & planned to 3/4 inch Best offer, Sch Co 717-385 3245

Wanted Automatic head gate for dehorning cattles 717 656 8531

For Sale Red & White Hol Bull 6 mt out of R&W Dam over 23 000 lb milk 717 684-8137 or 717 285 3878 Lanc Co

For Sale JD snap on duals with 13 6 38 Firestone tires like new Best offer Lanc Co 717 665 3585

For Sale Mixed Suffolk and Cheviot ram lamb, 8½ months old Lanc Co 717 665 4738

For Sale 3 horse manure spreader No 10 NI in good condition 717 354 0616

Cute Pups For Sale 1 Chihuahua male and 1 Fox Terrier female Enos King Horseshoe Rd Lancaster Pa 17601 near Conestoga Valley High School

For Sale 35 hp Oliver 60 tractor with cultivaltors and belt pully Ideal for wood saw will deliver $600 717 532 8601

For Sale Plastic Bird netting 5 000 ft by 17 ft wide in 200 ft lengths 400 value new $25 Chester Co 215 942 2379 after 6 p m

For Sale Oliver 88 good power, fair tread needs electrical work $1250 Also #10 Int semi mounted hoe type grain drill Montg Co Pa 215 754 7012

For Sale 24 feeder pigs about 40 pounds avg also wanted aluminum storm door, any size, 717 354 5360 Lanc Co

For Sale 8600 Ford Tractor good condition w/year round cab 215 377 0798

For Sale 74 C 65 Chev Truck single axel with air lift tag axel 427 motor 6 new tires 10 00 20 very good condition 717 266 5211 York Co

For Sale 2 seated wagon for ponies, pony saddle, horse harness, Palamino horse 69 Ford Van salamander, English horse saddle, Lebanon Co 717 949 3259

For Sale 8 IHC portable hammermill on wheels Dust collector bagger Lanc Co 717 626 7387

For Sale Used ABC wringer washer $100 Lanc Co 717 872 7283

For Sale 16 9x30 and 7 50x16 tractor tires like new $300 Aaron S Nolt RD3 New Holland

For Sale Owantonna 100 grinder mixer good condition, Lanc Co 717 733 4020

For Sale 1 Standard bred bay driving horse 4 yr old, good broke, Aaron J Glick, RD1 Bird in Hand Pa 17505

For Sale Beautiful purebred Border collie puppies Excellent farm and family dogs Lebanon C 867-1191

For Sale Dachshund pups $40 no papers order now for Christmas 2 Wethered goats $50 each Lebanon Co 717-533 7677 or 717 838 4875

For Sale Zook Mfg manure elevator 2 yrs old reasonable offer 1965 Chev pk 4 wd rebuilt 327 trans & transfer new paint very little rust 717 665 4000 Lanc Co

Wanted Acetylene outfit with or without tanks Also manure fork for IH 2000 loader Hunt Co 814 447 3383

For Sale 34 Dutchman 10 hole rollaway chicken nests $30 each Wheat straw no rain pickup $55 ton Wanted Hesston hay pickup 717 665 5760 or 665 5746

For Sale Snow plow 6½ front frame with lights & hyd system good condition $575 Gotham recessed ceiling light fixtures, Lanc Co 717 626 4266

**MAILBOX MARKET**

For Sale 2 rope bed tickings, filled $5 each 717 394 0362

Oak Seven Board ext table, good cond Lanc Co 717 354 7186

For Sale JD 14T baler $450 or best offer, JD 290 2 row corn planter, both items in good cond 717 866 4185

LOWBOY TRAILER, 1976, three axle, nine ton capacity, heavy frame, good tires, excellent cond York Co 717 382 4086 eves & weekends

Wanted 7½ or 8 high x 10' wide garage door in good cond Lanc Co 717-768 3466

For Sale Belgian Brood Mare, 10 yrs, $975 sound, gentle & well mannered, medium size very easy keep 814 834 4960 Elk Co

For Sale 1 Sorrel Mare saddle bred, ride or drive traffic safe & sound, make reasonable offer Allen Weaver R2 East Earl PA 17519

For Sale Bull calves, 1 Glen Valley Star, dam Marvex 21,585 & 738F, 1 Jet Stream first calf Elevation Dam 15 762, 667F 4 2% 717 354 9340 Lan, Co

For Sale 11x16 heavy duty storage shed 717 442 8317 Lanc Co

For Sale 15 ampules semen from Hilltop Apollo Ivanhoe stored at Atlantic Also Surge New Zealand milk meter New Castle Co 302 378 8454

For Sale Fireplace screen 31 hx32' w with brass claw feet $10 Lanc Co 717 786-2620

Wanted Chore Boy individual milker parts for milker like hoes, etc , etc 301-633-3310

Wanted Good, used autoharp 301 831-7624 or write 17601 Frederick Rd , Mt Airy, Md 21771

For Sale- Butcher Boy Meat Grinder, model A-52, never used, asking $900 717 965 2202 Susq Co

For Sale JD 1440 plateless no till narrow row corn planter, 2 40 drop farm van trailers, both good cond 215 257 2377 Bucks Co

Wanted 10 ton (corn wheat) motor (gas) for JD 440 For Sale Terratrac loader, 600 Perkins Diesel 609 884 4521

For Sale Meyers Snowplow for farm tractor, complete mounting brackets, $275 Monroe Co 717 629 2572

Wanted Wet lime spreader box with or without truck, Write stating cond & price Adams Co Lloyd T Reaver Jr , RD9 Box 171, Gettysburg PA 17325

For Sale Used 7 50x22 tractor tire $25 York Co 717 235 3585

For Sale Reg QH mare campaigned Md hunter circuit by child always in ribbons pleasure equitation over fences now in foal 301 833 3494

For Sale 3½ yr old Registered Alpine buck B AMYR Janet s Predator Dam Triangle Acre s Echo s Princess Reason for selling too many off spring in herd Chestertown, MD 301 778 5640

For Sale 30 WROUGHT IRON RAILING New paint & no rust 717 442 4539 after 4 p m Lanc Co

For Sale Used Marietta silo staves Chester Co 215 286 6140

Slow wood burning stove will take 28 logs, $350 717 548 2862 Wakefield Pa

For Sale AKC Brittany Spaniel pups Born Nov 13th good hunting stock Lanc Co 215 445 7168

For Sale Firewood seasoned peach Cut to length $50 ¼ cord delivered Stacking extra 717 626-2767 626 9010 Lanc Co

**MAILBOX MARKET**

For Sale 3 Holstein Heifers, all fresh 1 purebred, 2 grades Berks Co 215 693 5221

Wanted Farmland to rent, Reinholds area preferred For Sale- Hog Slat form 2'x8', Lanc Co 717-656 2235

For Sale- Warm Morning wood stove, like new $300 717 626-5776 Lanc Co

For Sale- 1 pr Mouflon sheep, 1 fallow deer (buck) 717 285-5806

For Sale Brunswick club pool table with ¾ slate bed complete w/accessories $300 301 848 4736 Westminster, Md

Wanted To Buy Troybilt Rototiller Call collect 717 264 6007 Franklin Co

Approx 3,000 bales mixed hay, $55 per ton for lot at barn Write P O Box 167, New Park, PA 17352 Bedford Co

Wanted late production JD 60 in good cond reasonable to cheap, within 75 miles Cumberland Co 301 722 2760 after 8 p m

For Sale 3 yr old reg Dorset ram, twin, very good $100 Del Co 215 566 2035

20 steel flat bed body frame, sale or trade for hay & straw Tapered locust fence posts $3 ea 215 255 4378

AMISH CARRIAGE, 3 yrs old $1500 1979 6'x16 stock trailer $2500 717 299 2278 Lanc Co

For Sale 6700 bales of 1st cutting hay, cut early, also 2nd & 3rd cut 412 356 7759 Washington Co

Bou Matic milking system 4 units w/3 pails Electric pulsation w/150' of 1¼ vacuum line, A 1 cond Butler Co 412 368 3774

For Sale 15,000 bales of mixed hay make offer York Co 717 432 5543 eves

For Sale Fish hatchery near Pa turnpike in Bedford Co 814 652 2319

For Sale DeLaval Model 76 Vacuum Pump, 3 hp motor & distribution tank Juniata Co 717 535 5813

For Sale 1957 Dodge stake body dual wheel truck, exc shape, inspection, rebuilt engine 215 681 5265 Monroe Co

For Sale 10 purebred Landrace boars 50 lbs Schuylkill Co 717 648 1096

For Sale- Metal kitchen cabinets, double sink, 30 stove & hood, 6 pr 72 wooden shutters 717 382 4629 York Co

For Sale 1850 Oliver & other equip 215 488-7512 Berks Co

For Sale Baby cradle, fresh Florida fruit Lanc Co 717 569 3416

20 ft goose neck stock trailer, new w w full nose breaks on all four wheels 717 464 3219

For Sale 42 bred Cheviot ewes & 3 Suffolk bred ewes 1 Cheviot ram & 1 Montadale ram, $55 ea 717 942 6933 Susq Co

For Sale Homelite 10 gas driven chain saw $150 24 bale conveyor $150 896 8260 Dauphin Co

For Sale Jersey cow fresh about 4 weeks also one dry cow gentle $450 ea Berks Co 215 944 9307

For Sale Riteway coal wood stove #37 good cond, with black cabinet Melvin A Beiler, RD1 Box 253 Gap PA 17527

For Sale Gooseneck trailer 7 wx16 lx6 . h 717 364 5482

9 Holstein feeder steers average 475 also seasoned and green mixed firewood Schuylkill Co 717 682 9785

For Sale Case 600 tractor w/loader & snow plow also Case 430 gas WFE V type & angle snow plows Wanted Case belt pulley 717 315 48?

**MAILBOX MARKET**

For Sale Cream separator DeLavel pedestal type beautiful cond 302 834 1096 New Castle Co , De

For Sale D4 Caterpillar w/pto and blade Will trade for Case skid steer loader 1700 or 1800 w/water cooled engine 717 697 5497 Cumberland Co

Having goose for Xmas dinner, young, home raised geese, dressed frozen Reginald air tight wood stove, 5500 cu ft rating Bucks Co 215 257 3879 eves

2000 cedar fence posts, 6' sharpened $1 16 each 315 564 5177

I own a bank barn, 50 x100' 2½ floors and a large silo Want partner to raise pigs, storage or any other venture, Elverson, Chester Co 215 M07 5329

For Sale- 30 ft single axle storage trailer, 12 hp MF tractor & mower, wheel weights for Farmall Cub Lanc Co 442 4279

For Sale Well built folding doors with glass panel Five 7 x29 nine 10 x33½ Excellent cond , 215 275 1150 Montg Co

For Sale 1978 Ford 150 Ranger pickup 23,000 miles, Franklin Co 717 263 4227

Wanted Front End Loader JD #48 or #148 or other to fit 3020 tractor 717 872 6746

For Sale Hickory rockers, Junger heating stove, Anvil, mandrel cone, 100 lb Meyer s hammer, Jake Lengacker, RD1 Port Trevorton Pa 17864 Snyder Co

For Sale Flow EZ gravity wagon w/extn 8 ton run/gear, EZ trail w/extn hitch also Bale King wagon on 8 ton EZ trail 584-6141 Montg Co

For Sale 3 Pride of the Farm farrowing crates with raised decks, used twice, $500 Montg Co 215-723 4093 after 6 p m

For Sale Oats 2500 bu will sell any amount Columbia Co 717 458 6234

For Sale Overhead garage 9 ft x7 ft $40 no tracts, Will board heifers this winter, 717 859-3456 Lanc Co

For Sale 1972 motor home 13,000 miles, sleeps 6, ref , bath, stove, sink, shower, very good cond , $6800 will accept offer, Fulton Co 485-5372

For Sale- Large quantity of bright wheat straw, no rain York Co 717-252 2074 or 717 252 2666

For Sale- 1160 egg incubator, 26"x54"x54" Sears super hatcher with Buckeye controls $40 Lanc Co 717 872 2557

For Sale 6 ft Sickle bar mower to fit Ford or Ferguson $150 AC Model B engine with radiator and magneto Monmouth Co 201-446 6087

For Sale 6000 Ford Diesel 3 pt hitch, live hydraulics very good cond 717 273 6683 after 6 p m Lebanon Co

Wanted Engine for a 1952 Int H Super A tractor, will arrange to pick up 207-293 5182

Wanted 28 Frick Threshing machine with Ebersol feeder, Ebersol Straw Shredder in good working condition Kore E Peachey RD1 Box 342 Belleville Pa

Wanted General farm in Montour or surrounding counties Must have good buildings also hay for sale by trailer loads 717 437 2180

Wanted One used cement mixer for a 3 pt hitch Must be in good working condition 215 944 7333

For Sale Well constructed calf hutches 2 x4 frame with A , ite exterior Paint[illegible] $150 pick up 717 432-4658 [illegible]

**MAILBOX MARKET**

Wanted Young heavy geese Can use a large amount 717 865 2837

For Sale Reg Suffolk Ram, 2 years old, Long & Tall with modern breed characteristics Cecil Co Maryland, 301-378 3718

Will board dairy heifers, Wanted- sawed locust posts, Dauphin Co , Aaron J Speicher, RD2 Box 177 Millersburg, Pa

Wanted Cast iron baseboard radiator Clinton Co 717-725 3849

Free to good home female nine month old, gray and black Cattahula dog excellent for farm 301 378-2054 Cecil County, Md

For Sale Dark Honey in 60 lb container, $40, limited supply Other quantities available Lanc Co 717-786 3298

For Sale Hershey Motorstoker only, completely rebuilt conversion unit, replaces oil burner or handfire, ash pit must be 15" wide, Lanc Co 717 665 4515

For Sale Oliver 253 12' disk $1000, NH 469 Haybine $1500 both in excellent cond , Berks Co 717 933 8748

**MAILBOX MARKET**

For Sale 50 saw blade, 40 insert teeth Right hand $900 cash Wanted- 1½ hp or larger single horz piston engine, Atlantic Co 609 561-7623

Glencoe Soil Saver - 9 shank w/mulcher, very good cond 5 9 p m only 201-329 2765

Wanted Used pto driven hammer mill, Garrett Co , Md 301 895 5240

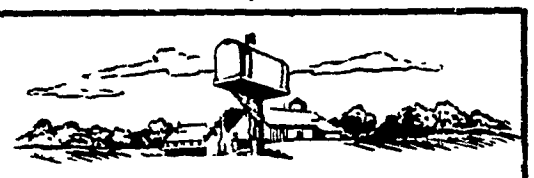
Wanted Asplundh wood chipper in good cond Either 4 cyl or 6 cyl motor Carroll Co 301 795-2609

For Sale 2 Norwegian Elkhounds females, 1 yr old Harford Co 301 836 1213

For Sale Reg Quarter horse mare 3 yrs , goes English/Western Good on trails Also harness & saddle, like new Harford Co 301 836 2326

For Sale Hammermill, JD, belt drive, delivery possible, $100 Chevy ½ ton truck bed, 1970 tail lights, removed, $40 Chester Co 215 274-8019

JD 40 track loader for parts $850, TD9 starter, final drive housing, 2 radiators, Q A Co , Md 301-482 8458



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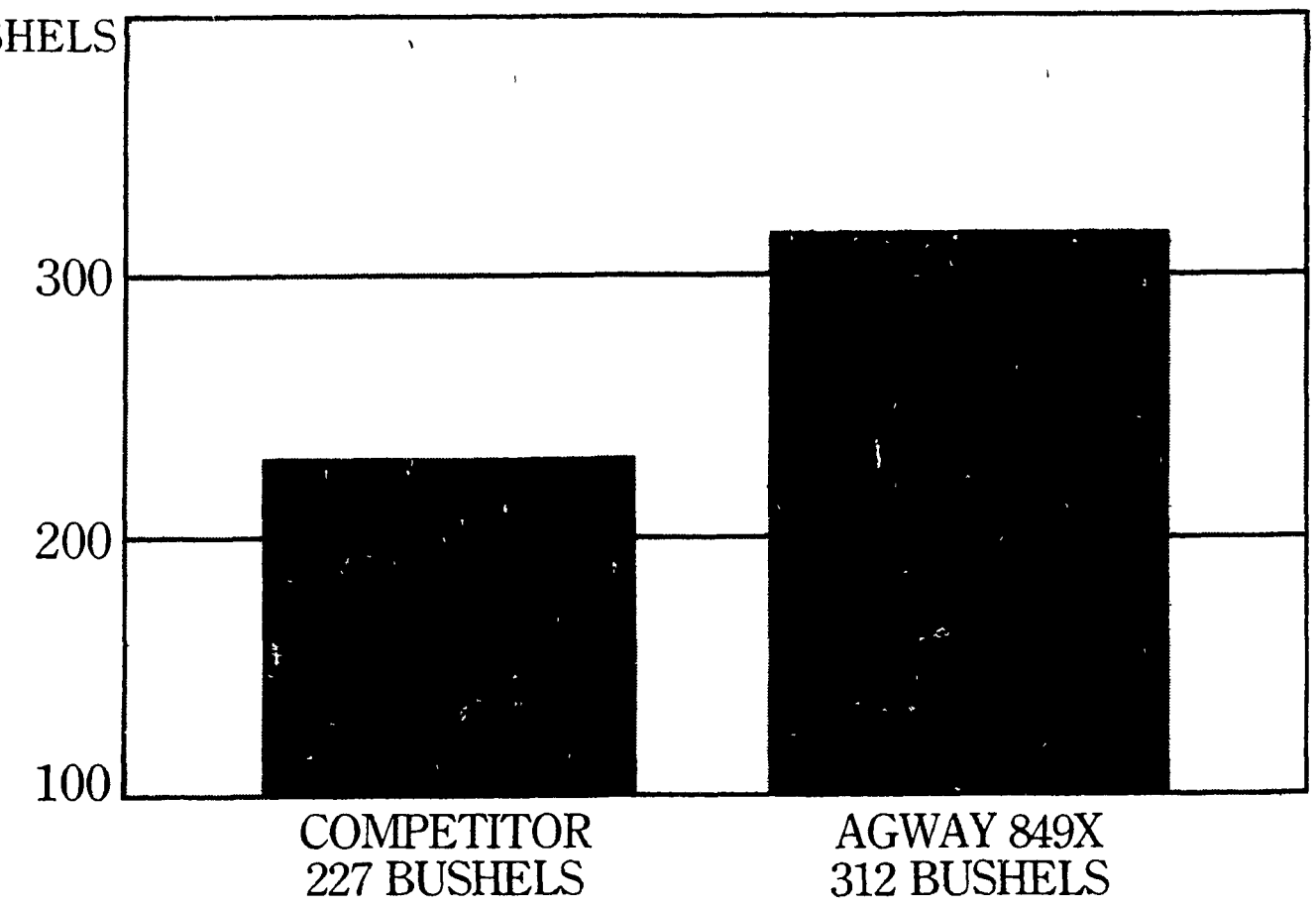
# Agway 849X breaks the 300 bushel barrier.

## FIRST TIME EVER IN THE NORTHEAST.




The results are in! Agway 849X has broken the 300 bushel barrier to set a new yield record for the northeast!

Agway 849X was the winner of this trial with 312 bushels of shelled corn (adjusted to 15.5% moisture). This maximum yield hybrid field corn trial was conducted by Dr. R. L. Flannery, Rutgers University, New Brunswick, N.J. An average of four plots was used to determine the results. At a population of 40,700 plants, over 95% of the Agway 849X plants were standing at harvest.

Of course, high levels of N-P-K fertilizer were used, and all weeds and insect pests were chemically controlled. These sound steps were also matched by Dr. Flannery, who controlled the total trial plot environment to the greatest extent possible to obtain a maximum yield.

In an official maximum yield test, Agway 849X yielded a record-breaking 312 bushels per acre

### A PROVEN PERFORMER ON THE FARM, TOO!

This recent test serves as official recognition of what Agway 849X is capable of doing every day on farms across the northeast. Its vigorous root structure and rugged tall stalk, which stays green even after the ear dries down, give this champion hybrid excellent standability.

In just over two years on the market, Agway 849X has won a bushel of prizes at fairs, and, more important, proven its yield-power at farm after farm.

### PUT A CHAMPION TO WORK ON YOUR FARM.

If you're looking for a champion hybrid, Agway 849X is the answer. Agway 849X has a maturity season of 2950 growing degree days (ideal for long season areas in Pennsylvania, New Jersey, Maryland and the peninsula). For more information about Agway 849X and the outstanding other Agway Energy King Hybrids, see your local Agway. Or ask your Farm Enterprise Serviceperson for a free 1981 Agway Energy King Catalog.

**Working for people who work the land**

FARM ENTERPRISE SERVICE AGWAY

# 9H176 TRUMP

Plus 0.76 PD Type

+ 1243 P.D. Milk

3.7% Test Level

**9H176 Letters Burkgov TRUMP, EX (90) Gold Medal 7/79**
USDA 7/80 RIP 2% Rpty 83%

| | | | | |
|---|---|---|---|---|
| 81 dtrs 64 herds | 16423M | 3 7% | 612f | |
| Pred. Diff (74) | +1243M | +.01% | +47f | +$148 |

HFA Type Comparison, 1/80
Pred Diff +0 76 Rpty 74%

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W Va Artificial Breeders Coop Inc

TRUMP Dtr.

**TEABOW TRUMP EXPRESS ESTHER, EX (90)**
4-2 365d 19,470m 3 9% 754f
Owner: James M Stup, Walkersville, MD

TRUMP Dtr.

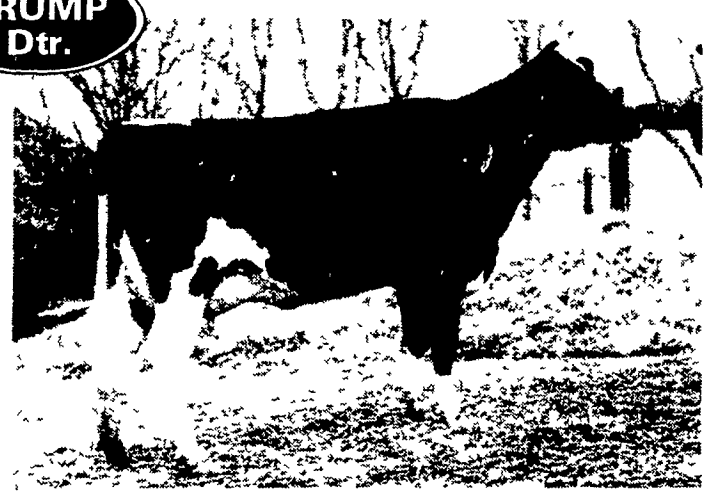
1200 lbs. fat

**OLDTOWN TRUMP PATTY, VG (87)**
4-0 365d 29,520m 4.1% 1213f
Owner. Oldtown Farm, Pt. Pleasant, WV

TRUMP Dtr.

**WILLDN LEMMIE BURKGOV CHIEF, NC**
3-0 347d 20,555m 4.5% 917f
Owner: Donald Williams, Tunkhannock, PA

TRUMP Dtr.



**HICKORYVALE TRUMP NAOMI, VG (85)**
2-8 365d 19,100m 3 7% 699f
Owner· Ifert Brothers, Middletown, MD

**TRUMP** is an overall type improver with outstanding fore udder, center support, and front end improvement. He sires about average stature.

**TRUMP** should mate best on cows needing more strength, and udder improvement

**TRUMP** is one of the very few bulls that is plus over +1200 lbs. PDM, plus on PD Test and nearly plus one on PD Type. All this resulted from a random sampling A.I proof Note that his production proof has 83% Rpt. and his type proof has a 74% Rpt. No wonder **TRUMP** is one of the most popular bulls in A I. today

**TRUMP** is available from your NEBA-Sire Power professionals Contact them today. Phone 717-836-3168 or 717-836-3127

NEBA
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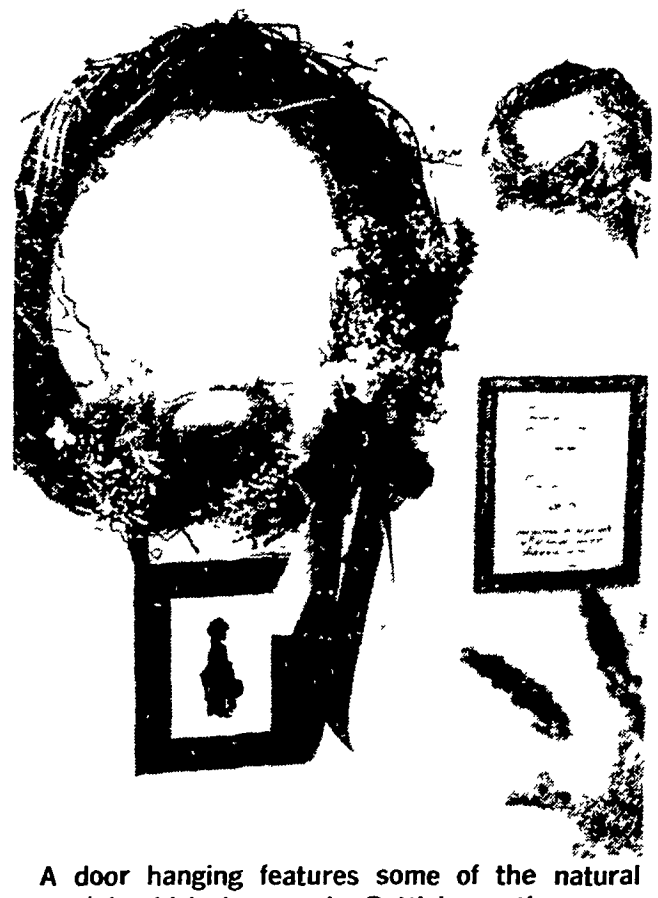
**RD #2**
**Tunkhannock, Pa. 18657**

Pattie works on intertwining grapevines which will become part of the wreaths she sells in her home business, the Berry Patch. She drags the vines from the woods and works on them in the clearing in front of her rural home.

# She brings the outdoors indoors for Christmas



A door hanging features some of the natural materials which characterize Pattie's creations.

BY SALLY BAIR
Staff Correspondent

Pattie Longenecker has a storage room which looks like an extension of the fields and woods which surround her Elizabethtown R4 home There are feathers, vines, flowers, weeds and berries in colorful disasrray, but with a purpose - they will eventually find a place in one of her beautiful, original natural creations.

Wreaths come to mind at this holiday season and Pattie's work area abounds in wreaths of all sizes, but she also makes door hangings and other natural decorations which add a distinctive note to any kind of decor at any time of the year.

Pattie insists that she has no more creative talent than most people, saying she just puts things together in a unique way that people seem to like

She says, "I've always enjoyed creating with my own ideas. I never read craft books and I think that is some of the reason why my business has grown. I never took a course - I just do my version of something. My wreaths are different; they are my feeling rather than a pattern. A lot of people want a little different effect. I don't feel I have any talent.

The basis for many of Pattie's wreaths is honeysuckle and grapevines, which she intertwines to form a natural oval or round wreath of whatever size she desires. One of the largest she ever made was a three foot wreath which hangs over the fireplace in the tasting room at Nissley Vineyards. She formed that one in the woods and it was so heavy she had to roll it to her car. But she also makes tiny wreaths which are suitable for use as tree ornaments.

She enhances the basic wreath by adding natural dried materials or a bird's nest or some corn husk flowers she has made.

She began making the wreaths a few years ago when a friend told her to visit a department store which featured the grapevine wreaths as part of their window dressing. Pattie never found the time to go, but began experimenting and soon leaned to make the wreaths herself.

A former elementary school teacher, Pattie remarks, "I just assumed I'd get back into it, but I never even had time to substitute. I just try to keep ahead of my orders I had no intention of starting a business.

"I love to be here, " she asserts. "If I had a regular job I wouldn't have the energy to run this place."

"This place" is the country home she shares with her husband John and their two children, Brad, 11 and Beth, 9.

The Longeneckers moved back to Elizabethtown about nine years ago after living in Michigan for seven years They searched in vain for an old stone farmhouse, finally bought the acreage where they now live, had it cleared, and built their own farmhouse. It is living on this 35 acres of land to which Pattie attributes some of her feelings and creations.

The Longeneckers provide for a lot of their own needs, including raising chickens for eggs, ducks for eating, bees for honey and pollinating fruit trees and a large garden They have also planted an acre of domestic raspberries, which gives the children a lot of picking and also a summer income.

Pattie says, "John and Brad do all the pruning This gives the children a lot of responsibility."

The Longenecker family heats their whole house with wood and the aid of a greenhouse on one corner. They are proud of the efforts they have made toward conservation and Pattie says, "We're on our way to becoming self-sufficient."

It was actually a gift from a neighbor which started Pattie on her business venture. A couple bought a goose for their Thanksgiving dinner but couldn't bear to kill it so they gave it to the Longeneckers where it became "Gertrude." Gertrude is now a beloved pet, with an acquired mate, and it was her egg that Pattie first decorated for Easter.

Pattie says, "I started messing around with duck eggs and then with corn husk flowers since we had the corn for the animals I began giving them as gifts and it all mushroomed." Another friend convinced her to attend the Mount Gretna Art Show and she sold out of her corn husk creations.

Eventually Pattie named her busines the "Berry Patch," and Gertrude became the symbol on the hand carved sign which marks the end of the Longenecker driveway. Pattie says, "We wouldn't have put a sign up but everybody goes by the lane."

Pattie does not keep hours at her home, because she spends a lot of time in the woods gathering the materials she needs. All her sales are by order She usually works at the dining room table, often in an assembly line fashion. "Then I can't get away from it - this house is so open. I work other things around what I'm doing I'm very flexible - I don't put in a straight six hour day My family comes first and I try to fit my work around them," she states.

Pattie is always on the lookout for natural materials, and she has her family trained to do the same She laughingly recalls an incident where her husband witnessed a car hit a great horned owl. He gathered up the carcass, took it home and provided Pattie with some beautiful and unusual feathers for her work.

(Turn to Page C3)

Pattie poses with her collection of natural decorations which she had prepared for last week's AAUW Holly Trail in Lancaster. She is holding some of the corn husk flowers she makes

Pattie makes wreaths made of grapevines and honeysuckle and other natural materials. She works with a wide variety of natural materials to create wreaths which are truly one of a kind.

# Homestead Notes

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3019 Hempland Road — 717-397-6241
HOURS MONDAY - FRIDAY 10 A.M. - 9 P.M.
SATURDAY 10:00 A.M. to 5:00 P.M.
Off 30 West By-Pass at Centerville Exit

**YORK STORE**
4585 West Market St. — 717-792-3502
HOURS MONDAY - FRIDAY 10 A.M. to 9 P.M.
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OUR PRICE

400 - Terry Lounge Wear Robes...Reg. $29 95 ..... $9.00
6 - 3 pc. Early America...Living Room Suites... Antron/Nylon/Print... Reg $1529.95 ..... $529.95
Hide-A-Beds (128) Single...Reg $429 95 ..... $189.95
Double...Reg. $649 95 ..... $249.95
Queen...Antron...Nylon ...Print...Reg $1089 95 ..... $349.95
Love Seat...Early America... Antron...Nylon...Print ...Reg $869 95 ..... $269.95

Toys

Electric Train Set... Reg $49 95 $59.95 ..... $19.95
Battery Train Set. ..... $5.00
Battery Train Set. ..... $9.00
Battery Tape Computer Space Ship. ..... $12.00
Dart Games...Trucks...Musical Dolls...Base Balls...Gloves....Bats.. Animal Hand Puppets
18 - Rockers...Factory Discontinued...Reg $159 95 ..... $49.95
38 - Rockers...Factory... Mistake...Black Seat... Maple Rocker...Reg $229 95 ..... $59.95
150 - Recliners...Heater...Vibrator...Vinyl... Nylon...Hercuions...Velvets ...Reg $489 95 $179.95... $189.95
Wall Away Recliners...Same materials As Above ...Reg $469 95 $179.95 & $189.95
Dining Room Sets...Hutches...Corner Cupboards...Dry Sinks...Desks...All Styles...Pine... Maple...English Walnut...Below Dealer Cost
Hide A Beds...Single...Reg $429 95 $209.95
Hide A Beds...Double... Reg $649 95 ..... $269.95
37 - Grandfather Clocks ...Reg $1389 95 ..... $489.95
24 - Bar Sets w/2 Stools... Padded Seats...Arms... Reg $269 95 ..... $129.95
12 - Sofa...Love Seat ..Chairs ..Nylon... Print...Traditional... Reg $1329 95 ..... $289.95
8 - 3 pc. Early American.. Reg $889 95 ..... $249.00

Large Selection of Tools of All Types

100's of Small Items...Wallets...Cuspidors... Coffee Sets...Figurines...Bibles...Crossword Puzzle Books...Dolls...Perfume...Flower Lamps ...Brass Bells...Photo Albums...Dictionaries... Pool Sticks...Backgammon...Dominoes... Blenders...Knife Sets...Stainless Table Ware... Radios...Tube Socks...Asst. Liquor Pourers... Golf Balls...Golf Umbrellas...Camera Kits... Car Spot Lights...Juicer's...Air Pop Corn Poppers...Lighters...Loads of Other Items... Too Many To Mention All...

24 - Large Turkey Platters ...Reg $22 95 ..... $10.00
30 - 45 pc. China Sets... Reg $198 95 ..... $39.95
800 - Office Staplers... Reg $12 95 ..... $4.00
300 - 4½" Pocket Hunting Knife ..... $3.00
300 - 6½" Pocket Hunting Knife...Reg $29 95. ..... $7.00
Leather Upper Work Gloves...Reg $6 00 ..... $2.00
Jewelry Ast...Reg $15 00 ..... $2.00

50% to 60% Off Price On Mattresses And Foundations...Cancellation Of One Of Chain Stores In America...

Singles...Reg $439 90 ..... $159.95
Doubles...Reg $499 90 ..... $189.95
Queen...Reg $589 95 ..... $269.95
King...Reg $799 95 ..... $369.95
Limited Offer...First...Come...First...Served 20 Year Warranty...
25 - Bunk Bed Sets...Complete... Pine...Maple... Reg. $349 95 ..... $129.95
19 - Bunk Bed Sets...Complete ...Pine...Maple... Reg $369 95 ..... $159.95

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# Homestead Notes

(Continued from Page C2)

She credits John with being a big help in her business. "He constantly criticizes, advises and helps. With his background in plant diseases he knows who to go to for advice on caring for these materials. John is a plant pathologist with the Department of Agriculture."

Pattie says, "I'm always bartering with hunters. I trade corn husk flowers for one hunter's pheasant feathers." She also barters quail eggs for chicken eggs.

Nevertheless, she admits to being very cautious about her use of feathers and sprays them all before using them in decorations. She also freezes many of her grains for 48 hours to kill the grain moths, and then sprays them with a sealer.

She uses a lot of perilla, a common weed which grows alongside roads. "It's an inexpensive filler if it is mixed with baby's breath," Pattie explained. She also uses sudan, sorghum and sunflowers, which her family grows. "We have sunflowers for the birds and for the business," she states.

In working with honeysuckle, Pattie points out that it must be wet to be pliable. "I like to work with it after a week of rain. She has also learned that wine grapevines do not have as many tendrils as wild vines."

In exchange for grapevines at pruning time at Tucquan Winery, Pattie barters her services to decorate their tasting room. She gets the vines in February and then spends about two weeks constantly weaving them into wreaths.

The children are also important to her business, helping with the gathering of materials. She pointed out that both children made several decorations to be sold at the AAUW's Holly Trail last weekend, where she displayed and demonstrated her work. "I'm glad to see them interested," Pattie says.

Pattie has a theory about why creations like her own are so popular. "I think so few people have ready access to living by the soil or access to nature. We take it so for granted what we can look out any window and see rabbits and pheasants. It's a rewarding fullness to live like that. I really feel I can bring a little of nature into the home - that' part of it."

She likes her business for another reason. "It's a nice kind of experience. I never feel anyone is a customer -

(Turn to Page C4)


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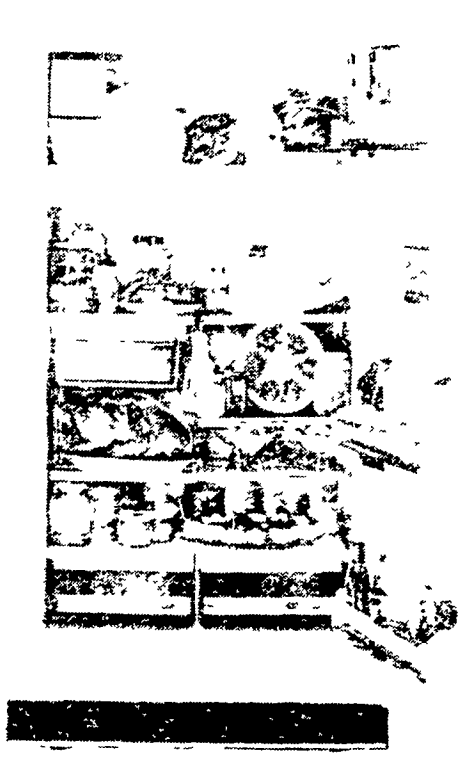

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# Homestead Notes

(Continued from Page C3)

they're friends We are on a first-name basis It's just an up kind of business "

In addition to creating decorations, Pattie does a lot of specific things for peoples' homes where they bring her swatches of drapery or furniture fabric She also does customer decorations for weddings, including decorating the church and the reception and making bouquets and corsages for the whole wedding party

She tries to keep a pictorial record of some of her work for future reference and ideas, although each one remains unique because of the combination of materials used

It's difficult to imagine Pattie as anything but "up" but during our conservation she became quite thoughtful in speaking about a commitment she and her family made as a result of the accident at Three Mile Island, a short three miles across the fields from their secluded wooded home.

"We made a commitment to do what we can Our home was a meeting place for people from 12 communities," she said They helped in organizing the Coalition for Renewable Energy Resources, a group which wants to show people what options are available "Maybe we do not need that radioactive hot spot," Pattie suggests

"We thought we had to stand up and be counted and to learn to be caretakers " Because of their commitment to that cause, Pattie's business took a back seat for about six months, and she is now ready to bring it back to where it was previously

As the Christmas season draws near, Pattie says, "We go all out for Christmas, and have something for every room. We have a lot of meaningful ornaments." She is hoping to sprinkle milkweed pod filling over their tree this year and decorate it with sunflower and milkweed pods sprayed a light color, other natural ornaments and some red for color

The Longeneckers are active in the Elizabethtown Church of the Brethern, which plays a large part in their lives In addition to their responsibilities at home, both children take Suzuki violin lessons which is also time-consuming And, of course, they all participate in the business, if simply by cooperating with chores at home

To Pattie and her family, the Berry Patch is more than a business - it seems to be an extension of the lives they lead Allowing others to bring nature into their homes brings Pattie joy and gives her the opportunity to share the inspiration she receives from rural living

# Junior Cooking Edition

Juniors, this week we feature ice cream! Nothing will go better with Christmas than chocolate cheese layer bars and ice cream Mom will make you Christmas nog from her recipe section and you can make ice cream candy for her

For fun this week, try making our Christmas doll You can buy bright colorful tin foil in the stores now, usually a red or a green color, or you can use mom's regular silver foil

Crush one piece of foil into the size and shape of a potato or onion (for a smaller doll) Crush another one into half that size for the head Make sixteen walnut-size balls three for each arm, four for each leg and two crushed for feet

Wire these together with thin wire or sew with fishing string

Make a face with sequins and buttons held with straight pins pushed into the foil Use red nail polish to draw a mouth

Tie a long one-inch-wide piece of material around the neck for a scarf, and finish decorating the way you want

This doll is light enough to hang on your tree or bright enough to set on top of a package under the tree Or just play with it and have a Merry Christmas

Another idea is to save those walnut shells Walnuts are a traditional Christmas nut and are in great abundance this year If mom has them on your table, you can eat them and then make a boat from the shells

Push the pointed edge of a toothpick into a triangular piece of paper light enough so the boat won't tip over Then, using plenty of glue, attach it to the inside of the shell and hold it till it's dry

These boats are a small bit of fun for you and your friends to play with Or why not load your tub with them the next time you take a bath and make bathtime a treat?

And when you're finished playing try one of these yummy recipes Remember nothing goes with Christmas like ice cream and cookies!

**Ice Cream Candy**

2 cups sugar
1 cup water
1 teaspoon cream of tartar
1 teaspoon vanilla
1 tablespoon butter

Combine sugar and water and bring to a boil Dissolve cream of tartar in a little water and add Cook until syrup forms a hard ball when dropped in cold water Remove from heat and add vanilla When cooled, pull like taffy until snowy white

**Esther Burkholder, Age 12**

**Chocolate Cheese Layer Bars**

Bottom Layer
1/2 cup butter
1 cup sugar
2 eggs
1 teaspoon vanilla
1 ounce unsweetened chocolate melted
1 cup flour
1 teaspoon baking powder
1/2 cup nuts

Mix everything together, beat well. Pour into 9x13 inch pan

Middle Layer
1/2 cup butter
6 ounces cream cheese
1/2 cup sugar
1 egg
2 tablespoons flour
1/2 teaspoon vanilla

Mix well, pour on top of bottom layer Bake at 350 degrees for 20-25 minutes

Remove from oven, add three cups marshmellows Return to oven 2 minutes Cool

Top Layer Frosting
1/2 cup butter
2 ounces cream cheese
1 ounce unsweetened chocolate
2 tablespoons milk

Melt over low heat, add 3-3 1/2 cups 10x sugar, beat well, add 1 teaspoon vanilla, mix Add to top

**Karen Eby, Age 10, Williamsport**

4H


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# Farm Women Societies

To all Farm Women Societies: **Lancaster Farming** would like to request that you send in your 1981 yearbooks as soon as possible so we can continue coverage of your scheduled events in the farm women calendar.

## Lancaster Co. Society 5

Lancaster Farm Women 5 met on November 24 at the home of Mrs. Pauline Longenecker to pack 30 food trays for the elderly and shut-ins. Fifteen members were present.

A $50 donation will be given to a needy family for Christmas.

Society 5 has eight members going to the state convention in January. Mrs. Margaret Sites and Mrs. Emma Ruth Peifer are representing the society as delegates.

The annual Christmas party will be on December 27 at the home of Mrs. Sandra Yocum.

## Lancaster Co. Society 18

Lancaster Farm Women 18 met at the home of Mrs. Edward Wissler, Landisville on December 6.

Twenty-six members and 5 guests were present.

Special Christmas music was furnished by Lamar Dourte.

Plans were completed for the State Convention.

The Christmas project was giving gifts to the House of His Creation, Kissel Hill

The next meeting will be held at the home of Mrs. Jerome Brubaker, Lititz, on January 17.

## Berks Co. Society 1

Berks Farm Women 1 held their Christmas party at the Old State Barn, Oley on December 3.

Twenty-two members and their guests enjoyed a baked ham and chicken dinner catered by Wegmans of Douglassville.

A musical program was provided by Paul P. Lechner and Betsy Zerbe of Oley.

Secret pals were revealed and new names were given out. The Sunshine committee reported fruit baskets and plants were delivered to ill residents.

Past county president, Ann Yanos, installed the new officers - president, Pauline Hartman; vice president, Ruth Walters; secretary, Elsie Badrow; treasurer, Pearl Levengood; and corresponding secretary, Patsy Moyer.

Program chairwoman, Fern Yorgey, announced the next meeting will be January 4 at the home of Elsie Badrow, R1, Douglassville. Grandma's remedies will be brought to the meeting by society members

## Berks Co. Society 6

Berks Farm Women 6 held their annual Christmas party on Friday, December 5 at the Village Diner in Douglassville.

Dinner music was provided by Paul Lechner and Betsy Zerbe. The Chirping Senior Citizens of Birdsboro entertained the members and their husbands and guests.

Gifts were exchanged and secret pals for 1980 were revealed

The next meeting will be held at the residence of Mrs Paul Youse, Oley R2 on Tuesday, January 20

## Lancaster Co. Farm Women Executive Board

The Executive Board of the Society of Farm Women of Lancaster County met Tuesday, December 2 at Ironville United Methodist Church, Columbia.

The roll call was answered by the president introducing the new society presidents that will take office this coming year.

The State Farm Women Convention, January 12 and 13 was discussed. It is to be held at the Forum Building, Harrisburg.

The day will begin with a business meeting at 10 a.m., followed by an afternoon program with Middletown High School Band. Guest speaker for the afternoon will be Dr. Richard Canfield, Manheim.

The Monday evening banquet, 5:30 p.m., will be at the Penn Harris Motor Inn, Harrisburg. Guest speaker will be Dr. J. Calvin Wenger, Lancaster.

Tuesday evening's meeting will be held in the Farm Show Building in Room E for more reports and election of three officiers.

A bus will be leaving both days from three different places along the way to the State Convention.

The next meeting of the Executive Board will be held February 3

## Cumberland Co. Society 10

The November meeting of Cumberland Farm Women 10 was held recently at the home of Mrs Janet Mentzer, Newville R2

Twelve members were present and answered roll call by giving a Bible verse containing the word thanks

The program was a talk on Thanksgiving given by Mrs John Lewis

Mrs Gertrude Staver had charge of the business She reported the State Convention will be held in Harrisburg on January 12 and 13, 1981

The December meeting will be held December 12 at the home of Mrs. Abbie Myers, Newville R2. Each member is to take a $3 gift for exchange at the meeting.


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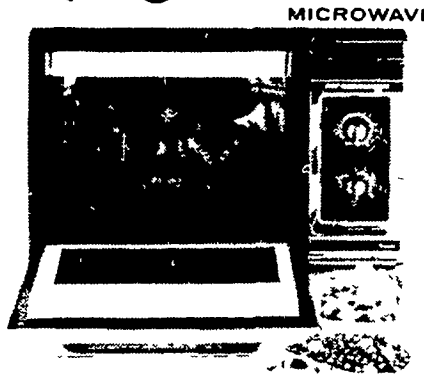

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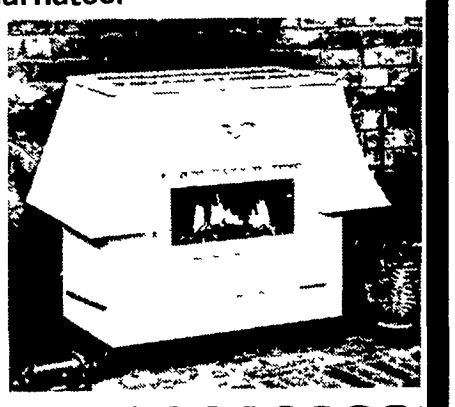

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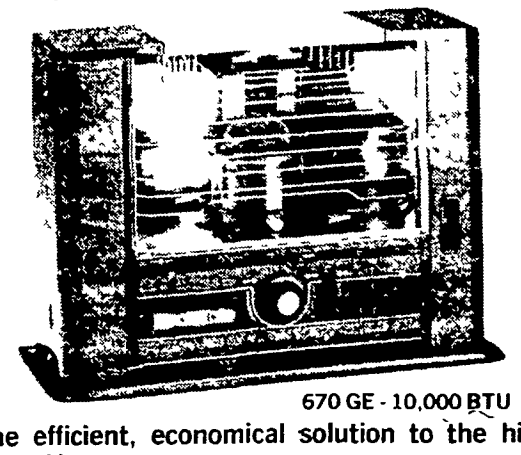

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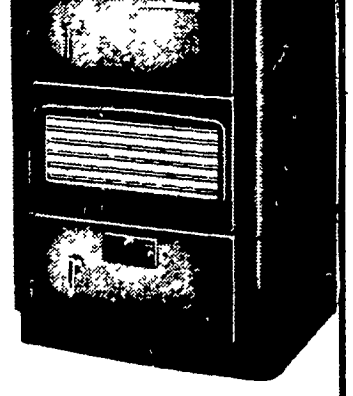

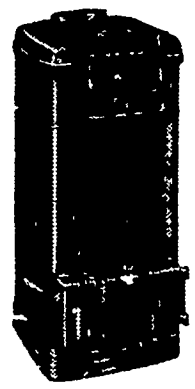

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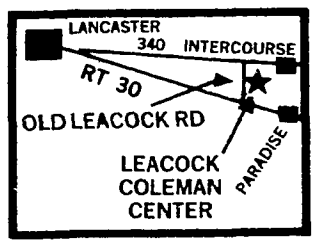


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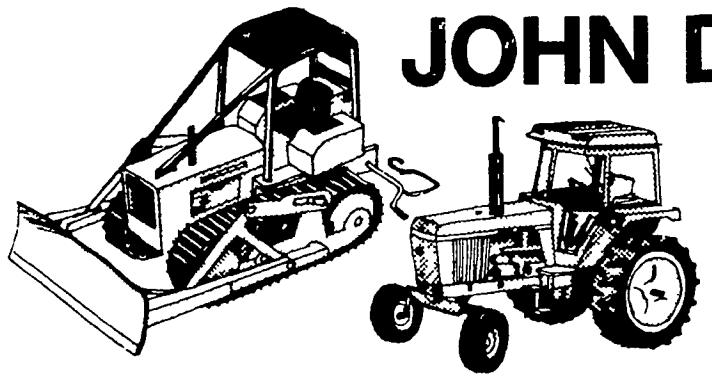

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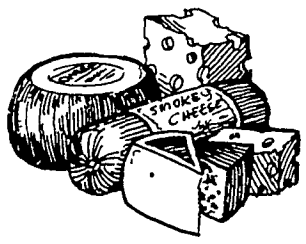
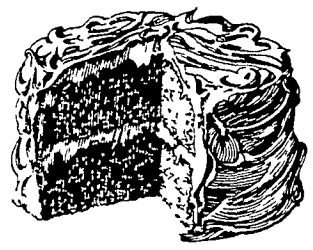



# Home On The Range



## Sweet Christmas favorites

Winters are sharp, long and severe in Scandinavia. That's undoubtedly why its people make such a celebration out of Christmas It's their antidote to darkness, a way of chasing away the gloom.

Preparations start early in December when Scandinavians brighten their homes with scrubbing and decorations, trim trees with old and new ornaments and stock larders with all kinds of goodies, especially baked ones In every way, it's a real, old-fashioned Christmas, complete with snow and even reindeer in some areas.

Two ideas prevail beneath all this preparation for the Christmas and holiday celebration The first is that you must be hospitable and generous with your food during this season, even with strangers Whoever calls on you during this time must be served from your table Only in this way do you keep the Christmas spirit in your home Should anyone leave your home without eating, he or she will take the Christmas spirit away

Scandinavians also believe that the fruitfulness of the year to come depends on the abundance of holiday feasting Feasting that's stingy will bring a lean year while a lavish feast means a prosperous one

Whichever of these traditions might be yours, or borrowed, the ideas behind them are delightful

To help with your "abundance" of food we featured Christmas cookies last week and would like to continue offering "goodies" this week by running sweet tasting delights

When company comes you want to be ready with the food the Scandinavians prepare What could company enjoy more than a plate full of peanut treats, caramel corn, date balls, chesse balls and Christmas cookies?

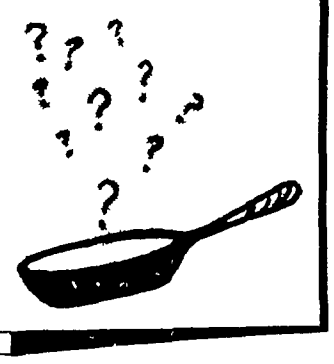
Also, for the diet minded, offer a hospitality tray full of cheeses, meats and olives Popcorn on the side could serve as an added feature

Next week we will have favorite egg nog recipes, but this week is an added treat for the kids We have a Christmas nog, Hawaiian style called Waikiki Nog

How ever your celebrate Christmas, make it happy and abundant and enlarge your circle of friendship in the gesture of good will toward men!

**Celebrate Christmas with these Hawaiian Waikiki Nogs. They're flavored with pineapple-grapfruit drink and topped with vanilla ice cream. Serve with Hawaiian macadamia nuts and coconut chips or your favorite Christmas cookies.**

### Cook's Question Corner



**QUESTION — I would like a recipe for making "pot" or "cup" cheese. We used to buy it in the store in the winter months I have tried making it from raw milk but it just doesn't come out right. I want the recipe from the beginning, using raw milk, to the end.**

Esther Hepler,
Saltardville, PA 18958

**QUESTION — I tried the velveeta cheese recipe that Mrs. Adam Miller, Hartly, sent in and mine didn't get right. It was the first recipe that did not call for soda. Was it left out of the recipe or is no soda added?**

Mrs Martin

ANSWER — No, it wasn't missed We ran the recipe as we received it. Perhaps other readers can help you where you went wrong.

**CORRECTION — Just a note to let you know that in the November 1 issue there was a mistake on my Pumpkin Cake Roll recipe. Some how "1 cup of sugar" was missed If you can correct it, I would appreciate it very much as it is a very delicious recipe.**

Mrs. Clyde Bowman

**Recipe Topics**

| | |
|---|---|
| **December** | |
| 13 | Christmas Candy and other sweet favorites |
| 20 | Traditional Christmas delights |
| 27 | New Year's Day Sauerkraut and Other traditional foods |
| **January** | |
| 3 | Microwave, an easy meal |
| 10 | Winter salads for that summertime feeling |

**DATE BALLS**

1 cup butter
1½ cup sugar
2 tablespoons milk
1 teaspoon salt
2 cups chopped dates
2 teaspoons vanilla
4½ cup Rice Krispies
1 cup chopped nuts
grated coconut

Boil together for 2 minutes the first 5 ingredients Remove from heat and boil slightly and add other ingredients, except coconut.

Shape in balls and roll in coconut

Samuel Esh, Lancaster

(Turn to Page C7)

**Serve hospitality tray for Christmas which consists of the following. clockwise, from the front, Colby half moon slices on either side of Gouda wedges, Caraway cheese sticks, Brick in rectangles, salami slices, Cheddar cheese cubes with olives, cherry tomatoes, Cheese spread, Swiss cheese, rye bread and green onions.**

# Home on the Range

(Continued from Page C6)

**WAIKIKI NOG**

2 cups milk
4 egg yolks
¼ cup sugar
1/8 teaspoon salt
2 cups pineapple-grapefruit juice drink
4 egg whites
1 quart vanilla ice cream
Nutmeg

In a large bowl, combine milk, egg yolks, sugar and salt; beat until foamy. Stir in pineapple-grapefruit juice drink. In a large mixer bowl, beat egg whites until stiff Fold in fruit juice mixture. Ladle into glasses. Add scoop of ice cream to each glass. Sprinkle with nutmeg. Makes eight 8-oz. glasses or 12 punch cups.

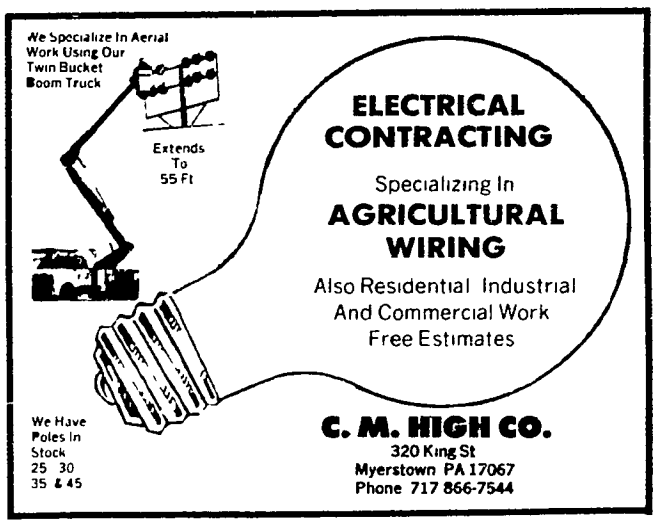
**LAYER BARS**

½ cup margarine
1½ cup graham cracker crumbs
1 14 oz. can condensed milk
1 6 oz. pk. chocolate chips
½ cup coconut
1 cup finely chopped nuts

Preheat oven to 350°. Melt butter and put in dish. Next put on crumbs pour milk over crumbs, then chocolate chips, next layer coconut and last the nuts press down gently, bake 25 to 30 min. until lightly browned.

Cool before cutting in bars.

**Enos Esh, Lancaster**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**CHEESE BALLS**
**Yield: 1½ cups**

1 cup (4 oz.) finely shredded Provolone cheese
1 cup (4 oz.) finely shredded Swiss cheese
1 package (3 oz.) cream cheese
½ teaspoon instant minced onion
2 tablespoons Riesling wine
2 tablespoons milk
¼ teaspoon Worcestershire sauce OR hot pepper sauce
Small pimento-stuffed olive slices - Pimiento strips

Cream cheeses and minced onion. Gradually add wine, milk and Worcestershire sauce, beat until thoroughly blended. Pack into 3 salad molds, ½ cup each Refrigerate. Prepare 1 day in advance to blend flavors Unmold onto greens. Garnish using thin slices of olives for bell clapper and strips of pimiento placed in the shape of a bow at the top.

**BAKED CARMEL CORN**

1 cup butter or oleo
2 cups brown sugar
½ cup light or dark corn syrup
1 tsp. salt
1 tsp. vanilla
½ tsp. baking soda
6 quarts popped corn
keep corn hot in slow oven (300°)

Melt butter, stir in brown sugar, corn syrup and salt. Bring to boil stirring constantly, Boil without stirring for five minutes. Remove from heat, stir in soda and vanilla. Pour over popped corn, mixing well. Turn into 2 large shallow baking or roasting pans. Bake at a 250 degree oven for one hour, stirring every fifteen minutes. Remove from oven. Cook, break and store in tightly covered containers. Makes about five quarts of carmel corn.

**Eunice W. Burkholder, Lititz**

**PUFFED WHEAT PEANUT TREAT**

5 cups puffed wheat
½ cup salted peanuts
¼ cup margarine
⅓ cup peanut butter
3 cups miniature marshmallows

Heat puffed wheat in shallow baking pan in moderate oven (250°) about 10 min. Put butter, peanut butter and marshmallows in saucepan and melt over low heat Put puffed wheat in large bowl and pour hot mixture over it, mixing until evenly coated. Press firmly in greased pan. Cool and cut in bars

**Nathan Esh, Lancaster**

**CHOCOLATE HAYSTACKS**

2 cups white sugar
⅓ cup cocoa
½ cup milk
½ cup margarine
3½ cups quick cooking oats
1 cup flaked coconut
½ cup chopped nuts
½ teas. vanilla

In saucepan bring first 4 ingredients to a boil. Remove from heat and mix in other ingredients. Drop by teaspoon on wax paper. Cool

**Hannah R. Esh, Lancaster**

## F.W.S. Calendar

To all Farm Women Societies: **Lancaster Farming** would like to request that you send in your 1981 yearbooks as soon as possible so we can continue coverage of your scheduled events in the farm women calendar.

**Saturday, December 13**

Lancaster Society 19 holds their Christmas party at the Rothsville Firehall at 6 30 p.m

Lancaster 25 holds their Christmas party at the home of Vera Nauman at 6.30 p m.

Berks Society 5 holds their Christmas party at 7 p m at the Tulpehocken United Church of Christ.

**Monday, December 15**

Lancaster Society 31 holds their family Christmas party at the Fair Building at 7:30.

**Wednesday, December 17**

York Co. Society 21 meets for a Christmas party at the home of Mabelle Kilgore.

**Thursday, December 18**

Lancaster Society 11 meets with Dorothy Boas and Helen Shaub for Origins of Christmas

Cumberland Society 10 meets with Abbie Myers for Christmas Customs

**Saturday, December 20**

Lancaster Society 3 meets with Salinda Usner for entertainment of children and a gift exchange.

Lancaster Society 8 meets with Vera Frey for a Christmas dinner at 6:30 p m


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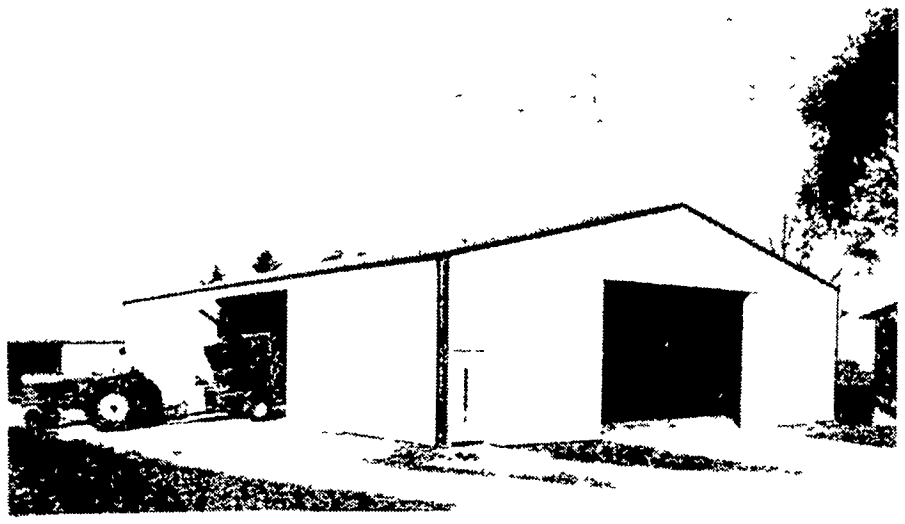

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# Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

**THE BEST EDUCATIONAL GIFT: A PET**

There are hundreds of educational toys that teach a child to do things — read, draw or build But have you thought of the one Christmas gift that can teach a child to be a better person? That rare gift is a pet

A puppy or kitten that a child plays with and cares for gives the small master daily lessons in kindness, getting along with others, responsibility and love From his furry, four-footed friend, a child can also learn about patience, sharing and how living things grow A pet makes all these lessons much more fun than parental lectures

Phychologists who have used pets in therapy with children point out the fact that a house pet must be trained helps children accept rules and regulations for themselves

If a child is old enough to help with his pet's training (a ten-year old might even take his dog to obedience school), he discovers that praise and kindness get better results than force

A pet quickly shows a child the necessity for being considerate of the feelings of another living creature If Johnny doesn't handle his new puppy or kitten gently, his new friend won't want to play with him A child should be shown how to lift an animal correctly — with his arms supporting both the chest and the hind quarters - so that the pet won't be injured accidentally

Have you ever wished you could convince your children that speaking quietly gets better results than yelling? A pet can do it Little screamers will observe that loud voices make Rover retreat under the sofa, and it takes a lot of soft talk to coax him out again

A child who finds it hard to make friends will suddenly discover he's the neighborhood celebrity when he shows off a new pet

A friendly animal that showers love on every member of the family gives an easy-to-understand demonstration of the joys of shared pleasures Seeing a pup or kitten grow from helpless infancy to adulthood, gives a child some insight into his own growing up

A pet can be a great teacher and a great friend at the same time Can you think of a more valuable gift you could give a child at Christmas?

**CHRISTMAS DECORATIONS FROM KITCHEN UTENSILS**

You can convert many of the items you have in your kitchen into attractive Christmas decorations Here's what I mean For an interesting indoor or outdoor wreath, stick small Christmas balls into colorful plastic scouring pads Then fasten these pads to a styrofoam circle that you've covered with metal foil And if you want added sparkle, put fringes of metal foil between the decorated scouring pads

To make a colorful background for a door panel, cover a styrofoam plastic foam panel or a stiff sheet of corrugated cardboard with a green or red terry cloth handtowel For added decoration, stretch and pin several curly brass scouring pads to the towel to form a tree, star, or similar holiday decoration

And if you have a wire or French whip, here's a suggestion Spread the wires enough to fill the inside with small colored balls Then tie a gay ribbon to the handle and hang the whip so light can reflect its Christmas spirit

What's more, paper baking cups that are turned fluted edge down become bells. Just hang tiny balls in the centers for clappers.

A plastic or metal funnel can become an interesting yuletide decoration When turned upside down and wound with tinsel or a strand of tiny beads, a funnel becomes a miniature Christmas tree

These are only a few of the many exciting Christmas decorations you can make from kitchen utensils Perhaps you can think of others

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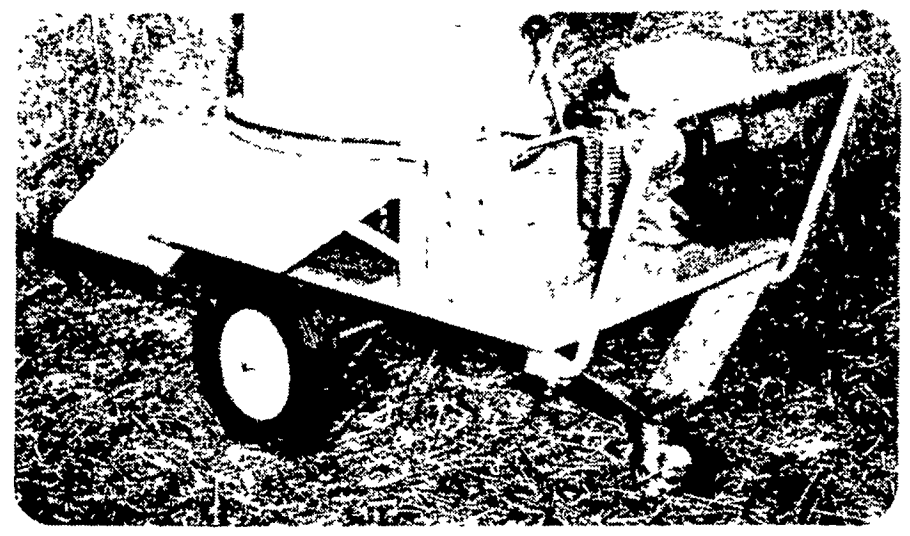

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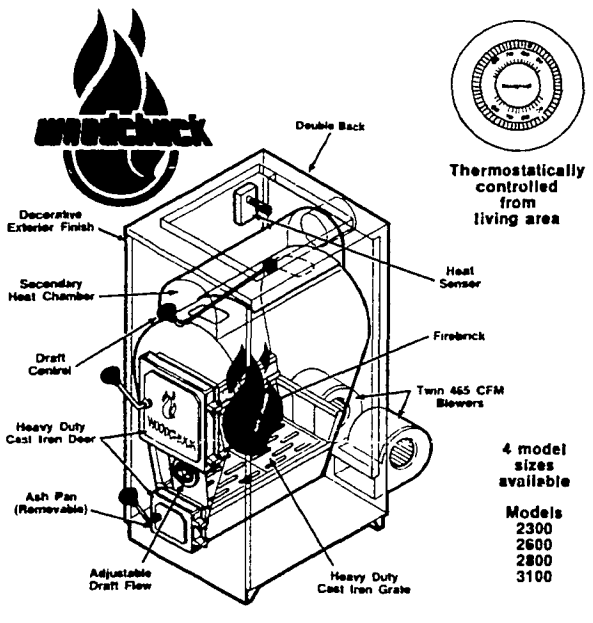


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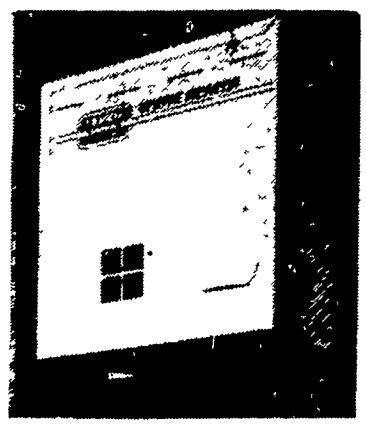

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## Ida's Notebook

**Ida Risser**

# Nail down your Christmas gift list

YORK — If you're puzzled about picking out the perfect gift for some of those hard-to-buy-for adults on your Christmas gift list this year, a good basic tool may be just the right choice suggests A. John Lamberson, Extension Home Economist.

We all need tools for a variety of home repairs–to put up drapery rods, nail boards together for inexpensive bookcases, fix door knobs or leaky faucets, assemble knock-down furniture and even construct built-ins. Many of us need tools for crafts activities. Hammers, saws, a set of screw drivers with a variety of tips, a mitre box, a wrench, a jig saw, a hand or electric drill, and a steel retractable measuring tape are just a few of the most obvious.

One way to find out if someone has a tool you're thinking about buying for them is to ask to borrow it. You may have to ask for several items before you find one they don't have and that you can afford.

When buying any tool, you will want to buy the best you can afford to suit the job it most probably will be used to do. Good tools last a long time when used and taken care of properly. Shop carefully and compare features and warranties.

If you don't own a lot of tools yourself or don't know a lot about buying them, find out from friends who the most reliable and reputable dealer in your area is. That way, you can ask questions, and the person who receives the tool can have it repaired or replaced later on, if necessary.

---

December always marks a change in life style for me. No longer do I go out to do battle with the weeds in my yard and garden. No longer do I stoop and bend as I harvest my crops from strawberries in the spring to beans in the fall. And with this lack of activity comes the necessity of a change in eating habits.

There are so many sit-down kind of jobs in December and therefore a need for less food if one is determined not to gain weight. I've been mending work clothes that were laid aside during the busy summer months. Also, paper work can take hours as I endeavor to get our farm account book up to date

My cellar has bags of Black Walnuts, English Walnuts (which my sister gave me) and peanuts that I grew. These need to be cracked and readied for the big cooky baking sessions. As I "sit" and pick the kernels from the shells, I remember the dried flowers in their box of borax, cornmeal and salt. So in the afternoon I gather dried marigolds, zinnias, salvia, scabiosa, etc.

Writing also takes a bit of my time as I've now added a new responsibility that of writing for a local tourist newspaper. These articles deal with historical facts and interesting stories from yesteryear.

Then, too, there will be many Christmas cards to address and mail.

We do not send a long mimeographed letter to our friends but rather I write short notes to those who live far away. When I get a two or three page typed letter during the busy Christmas season, I'm likely to look at the bottom line to see who sent it and then lay it aside and hope to read it later–while a short handwritten note gets immediate attention.

---

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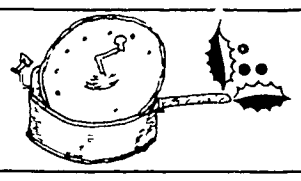

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# Farm women learn speaking techniques

HERSHEY — The need for more effective communication of the farm story has been stressed time and again among farm organizations. The diminishing number of farmers, consumer activism, big-city political clout and a variety of other reasons are often cited as the basis for the need of more farmer involvement in telling their story.

But, how does a farmer, who spends endless hours in the field, acquire the skills of communication so necessary to tell his story?

It's a problem that needs to be solved, and Sperry New Holland recently completed a trial program that may help set the direction some farm organizations may take in the future.

Working with the National Farm and Power Equipment Dealers' Association (NFPEDA) and the American Agri-Women (AAW), the farm machinery manufacturer trained more than 70 future agriculture spokespersons in "effective communications." The results of the training will be closely monitored for the next year.

"We gave the same training to these people that we give to our own executives who have need for training in speech-making, thinking on their feet and responding to questions with concise, pertinent information," says Lester Schreiber, Marketing Training Director at Sperry New Holland.

Shreiber's day-long course kept participants busy preparing their own brief talks, delivering them before a group of twelve other trainees and then watching themselves on video tapes.

At the AAW national convention at Hershey, Pa., (Nov 10-13) sixty farm and ranch women signed up for the course over a five-day period

"Interest was so great that we had women stay for an extra day at the end of the convention so they could go through the program," says Gail McPherson, a Pennsylvania fruit grower and convention coordinator

The Sperry New Holland effective speaking program is just one of the many directions the company has taken in helping farmers communicate their story of productivity and economic importance to the Nation. In the past the firm has produced brochures, radio tapes, motion pictures, newsfeatures, cartoons, restaurant placemats and other message forms.

"But, nothing is more convincing than hearing a person who has farm background talking about farm problems and experiences," says Schreiber. "If the results of our program show merit it could signal us – and other agribusiness firms – that we have a great opportunity to help make farmers and ranchers even better at telling their own story."

**Lester Schreiber, Marketing Training Director, Sperry New Holland, and farm women listen to a student's (not shown) speech. A course in public speaking was recently offered by the farm machine manufacturer at the AAW convention in the Hershey, Pa., and is one of the many directions the company has taken to help farmers communicate their story across the Nation.**

# Delaware County elects nutrition officers

MEDIA — The Delaware County Nutrition Education Council recently elected officers for 1980-81 According to Maryetta Dorricott, extension home economist with the Delaware County extension Service of Penn State, the following officers were elected

Chairman, Elaine Brown, Nutrition Education Specialist with the Delaware County Intermediate Unit, Co-Chairman, Maryetta Dorricott, extension home economist; Secreatry, Edith Tarbet, R.D , nutrition educator with Delaware County Nutrition Program, COSA, Treasurer, Kathy Stroh, R D. Nutrition Educator, maternal and Infant Care Program.

Community Service Coordinator, Greta C Vairo, Extension Home Economist. The council is composed of persons holding a college degree in nutrition, food service, home economics, or related fields who want to make sound nutrition information available to residents of Delaware County.

Anyone wanting to join the Delaware County Nutrition Education Council may obtain more information by contacting any of the newly elected officers


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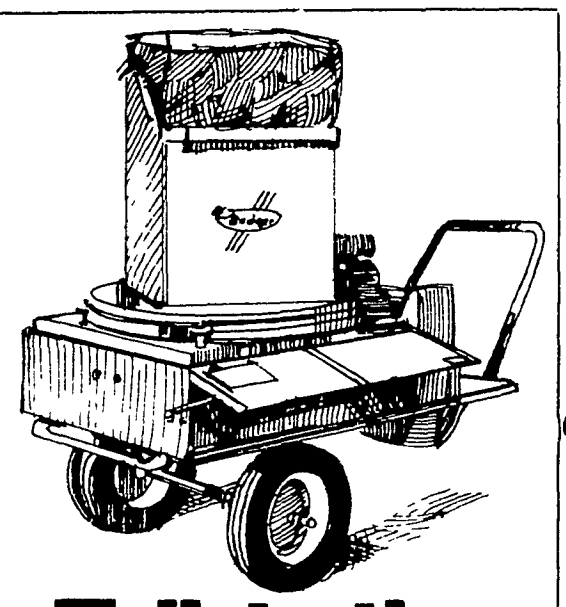
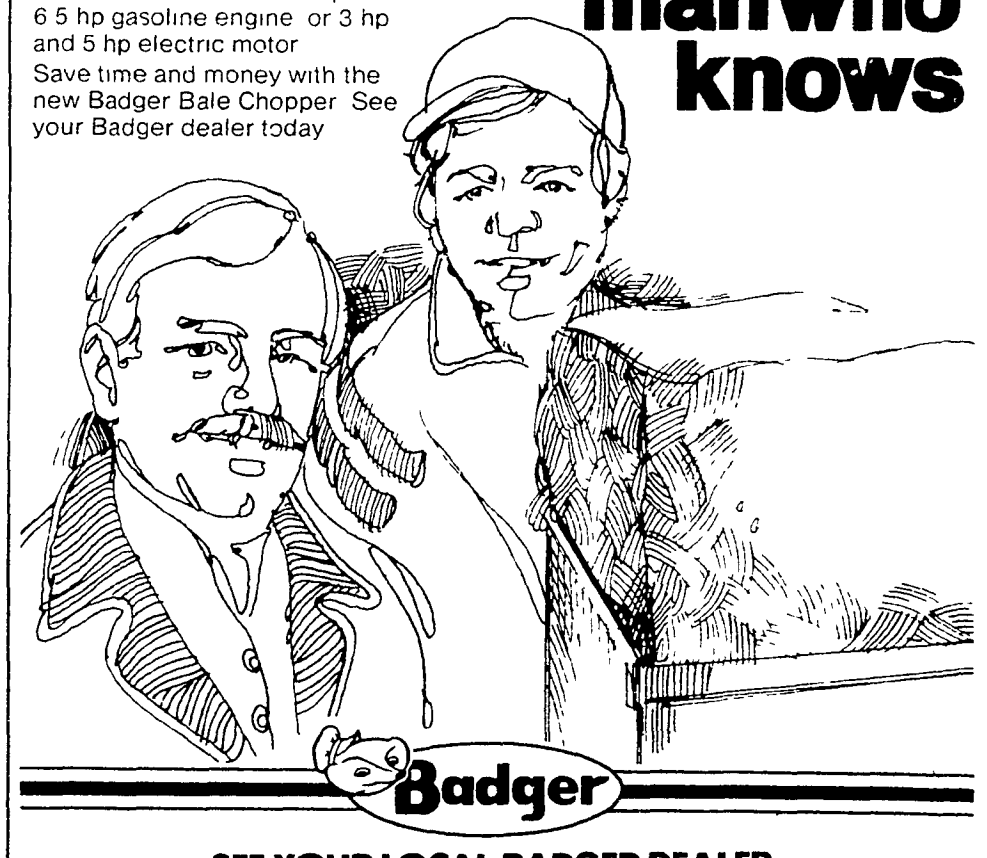


Talk to the man who knows



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# National 4-H winner helps elderly

NEWARK, Del. — Fifteen-year-old Valerie Moore of Bear, De., is the kind of person you instantly like. Easy-going, with a twinkle in her eye, the dark-haired teenager is one of those quiet, competent types who somehow manage to spend a lot of their time helping others.

For the past four years Valerie has been working on a health project in her local 4-H club, studying aspects of family, community, and personal health and in the process lending a helping hand to others and sharing her knowledge with fellow club members around the state. These efforts have been rewarded with a $1000 national scholarship from Eli Lily and Company and Kraft, Inc. The award was announced during the national 4-H Club Congress, held Nov. 30-Dec. 4 in Chicago

A 10th grader at Glasgow High School, Valerie lives on a 10-acre farm on Porter Road in Bear She's the youngest of four children. Over the years each of her sisters and brother has won a trip to the Club Congress in Chicago with a special project, but Val is the first to win a National scholarship as well

**A Delaware national 4-H scholarship winner, Valerie Moore of Bear, checks blood pressure of Christiana Fire Departments's chief engineer, Fred Bush. The Glasgow High School 10th grader recently won $1000 with highly successful community service and health care project.**

Her successful health project has included volunteer work with the elderly at the Shelton Senior Center at Wilton, a planned community in New Castle; participation in simulated disaster drills at nearby Union Hospital in Elkton, Md , enrollment in a CPR course given by the Christiana Fire Company, and numerous county and state presentations to other 4-H'ers on the subject of health She also played a major role in organizing a course last winter on physical fitness and personal grooming. The well-attended countywide 4-H event involved seven speakers, including several representatives of the health care field.

Valerie became involved in 4-H when she was eight and over the years has been very active in club work, often in a leadership capacity. Besides health, her other projects include dairy foods, sewing, sheep production (she helps her dad manage the family's 20-sheep flock), goats, and rabbits. She's often shown animals at the State Fair in Harrington and is a member of the county's successful 4-H livestock judging team, which competes in several out-of-state events each year

4-H clubs are set up so that specific skills are taught by volunteer leaders with expertise in those areas. Valerie's health project leader is Mrs. Jeanette Lowman, supervisor of day nursing at Union Hospital in Elkton, Md With her help, Val has been able to meet some of the different specialists involved in health care there and to observe some of the inner workings of the hospital. Among other things she has observed an autopsy, and accompanied a dietician on rounds with diabetic patients

Valerie is her club's liason with the hospital and has been on the planning committee for their participation in the hospital's external disaster drills, when the 14 members of the "Porter Gang" serve as volunteer "casualties."

She also had a lot to do with getting her club involved in helping the elderly residents of Wilton's new senior center. Initially she and other Porter Gang board members (she's the treasurer) were looking for a "grandmother" and "grandfather" to adopt. They ended up essentially adopting all 116 residents of the three-story complex — providing everything from blood pressure checks to talent shows, plowing and helping plant a garden, serving an occasional luncheon, bringing in group birthday cakes, making special holiday boxes and baskets, caroling at Christmas, and in other ways showing these people— many of them lonely and living out their last years on limited funds—that somebody still cares.

Valerie isn't sure yet about her career goals But one thing is clear—she'll probably go into some kind of helping profession, either nursing or radiology most likely She's also considered becoming a veterinarian's assistant because of her experience with animals. Whatever she does, her scholarship will help get the kind of training she needs.

Beaming about her national award, Val says she couldn't have done all this without the enthusiastic backing of her folks, Angela and Cliff Moore, long-time club leaders


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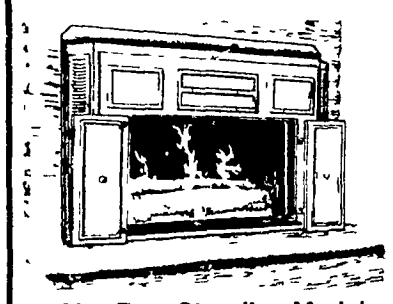

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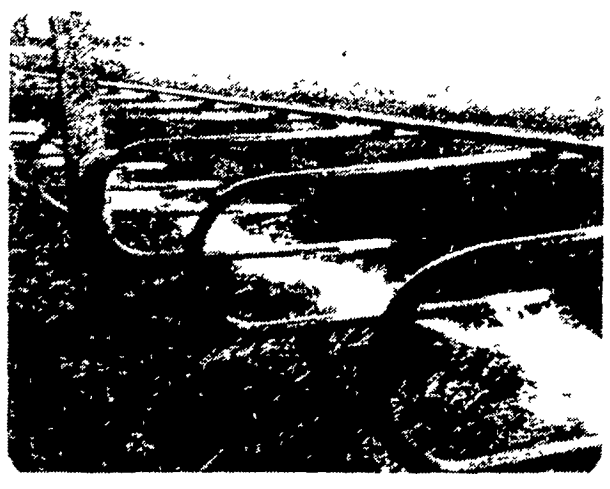

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THINK AHEAD...
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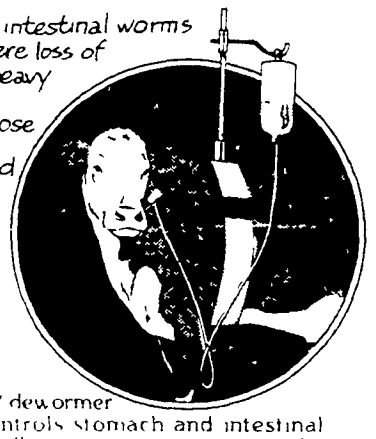

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# On being a farm wife -And other hazards

Joyce Bupp

"Oh, puuulllleeeeezzzzzeeee" begged the youngsters on a recent Saturday afternoon, "can't we go Christmas shopping?"

It was a task I knew had to come sooner or later. There was a small amount of allowance money burning holes in pockets and two eager gift-givers chomped at the bit to go make their modest selections for the family.

Now, my ideal shopping excursion takes place on a rainy Wednesday morning when the majority of the world is otherwise occupied. The thought of spending a sunny Saturday afternoon waiting in traffic and jousting with thousands of other harried shoppers had about as much appeal as an appointment with the Internal Revenue Service

I stalled The living room needed dusting and a visit from the vacuum cleaner Dust and hay bits had collected a quarter-inch thick it seemed on the kitchen floor. Upstairs, there were a couple of children's rooms that resembled the local landfill

How could I abandon this mess? Even worse, how could I face it later?

Henry Kissinger would have been proud We negotiated our own version of the SALT treaty I'd shop, if they'd clean.

Dust was still settling as we departed a few hours later, three crusaders (one still reluctant) out to do battle in the annual holiday buying skirmish

Rounding a turn onto the large parking lot of a favorite local discount department store did little to ease my dread. In all directions, the pavement was packed with cars! We spotted an opening about an eighth-mile from the store and grabbed it quick before the guy behind us could aim his steering wheel

Inside, the air was heavy with crowds of people. Carols played against the noise of shopping carts, crying babies and the whirrs and beeps of electronic games, operated by fathers ostensibly trying them out for the kids

Our youngster's eyes glowed with anticipation and big grins spread across their faces Suddenly, what could only be the Christmas spirit touched this mother's jaded heart, and the shopping expedition transformed into what holidays should be all about a time of sharing fun with your family.

Selecting gifts for Dad and for each other, making delightful secrets to whisper about, brought us closer together as conspirators Even the half-hour wait in the longest check-out line in history became a chance to giggle and observe that Santa was going to be big on socks under lots of trees this year.

Although they probably didn't realize it, our children gave me a wonderful gift that afternoon.

For a few brief hours, my mind fled adult worries, the hassles of the past several months of building and restructuring our own dairy operation, the ever-present financial worries that weigh on all farmers today, and the unsolvable concerns laid on our minds with each daily newspaper and radio or TV news report

It was the Christmas season once more I was a kid again

And it was good

# Fulton Grange sets meeting plans

OAKRYN — Fulton Grange No. 66 held their semi-monthly meeting Monday night at the Grange Hall, Oakryn, with the Master, Thomas C. Galbreath, presiding at the business session George Blevins, Richard Drumm and Ruth Ann Baker were accepted into membership

Mrs. Howard W. Miller Jr. announced that the Oakryn Senior Citizens were to hold an Acme dinner december 10 and are planning a bus trip to Baltimore to tour the McCormick & Co. warehouse next spring.

Charles McSparran reported that he attended the annual meeting of the Walter Aument Family Health Center.

Clifford W. Holloway Jr. announced that the Lancaster County Pomona Grange will hold a covered dish supper at Fulton Grange Hall Saturday, January 17 followed by their regular meeting.

The Lecturer, Mrs. Jesse Wood, presented the program. She conducted a quiz concerning individual's Christmas preparedness with Mrs. Cecil Campbell the winner. Several individuals told about the best or the worst Christmas they ever had.

Sharon McCauley, Fulton Grange's contestant in the Miss Solanco contest, did a gymnastics routine which she performed in the contest. Kenneth McCauley, president of The Gaelic American Society of Lancaster County, gave an interesting talk about their organization. It was organized in 1976 and meets the second Thursday of each month at the Stauffer Mansion on the Lititz Pike, Lancaster. Mrs Wood read a poem "At Christmas" by Edgar A. Guest to conclude the program.

The youth and young marrieds committees will be in charge of Christmas caroling and the Christmas party December 22 Grange families are invited. They will leave the Grange Hall at 7 p.m to go caroling and return afterward for the party. Everyone should bring a gift valued between $1.50 and $2 for the gift exchange

# *U.S.-Mexico sign ag trade agreement*

WASHINGTON, D.C. — The United States and Mexico Wednesday signed an agreement providing for the purchase by Mexico of at least 6 million metric tons of U S. agricultural commodities in calendar year 1981.

According to Secretary of Agriculture Bob Bergland, the agreement is similar to a pact for 1980 signed last January covering 4.76 million tons of commodities and amended in September to 7.2 million tons.

Including purchases which had been made before the signing of the 1980 agreement. Mexico has now purchased 10.4 million metric tons of all specified commodities for delivery in 1980. This will make Mexico a $2 billion U S market, the third largest customer for U.S. agricultural products

"There are some differences in terminology and in numbers," Bergland said of the new agreement, "but the supply and purchase assurances are continued, and the avenues for cooperation are broadened and spelled out."

Bergland said the new agreement permits Mexico to purchase a minimum of 6.15 million tons of U.S. agricultural products in 1981, chiefly sorghum, corn, soybeans and wheat. "For its part, the United States will endeavor to assure that supplies are available, and will do all it can to facilitate their purchase by Mexico," Bergland said.

He said sales of commodities covered by the agreement will be made through normal commercial channels and the prices will be those prevailing in the market at the time contracts are negotiated.

"We have learned from our experience with the 1980 agreement that cooperation in agricultural trade is beneficial on both sides of our common border," Bergland said. "The new agreement emphasizes the joint effort."

"It specifies consultations within six months or at the request of either party for the exchange of information on supply and needs, and it pledges the fullest mutual effort to assure delivery of the commodities, particularly a continuation of the work that has been done this year on rail transportation."

Bergland termed "unprecedented" the cooperation between U S. and Mexican governments and railroads to alleviate transportation bottlenecks which might have prevented Mexico from eeting its 1980 needs

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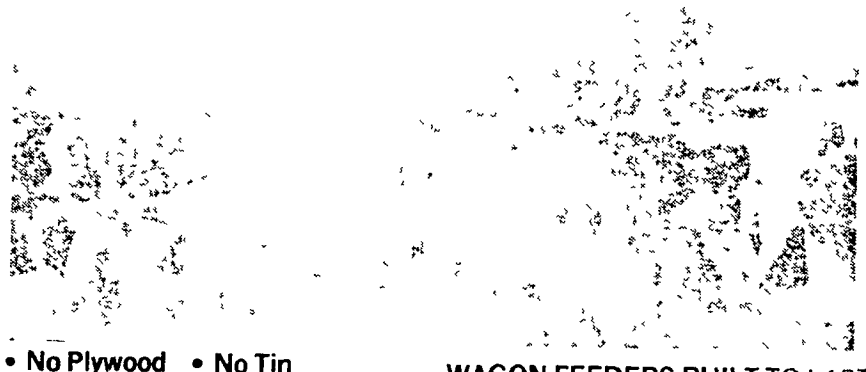

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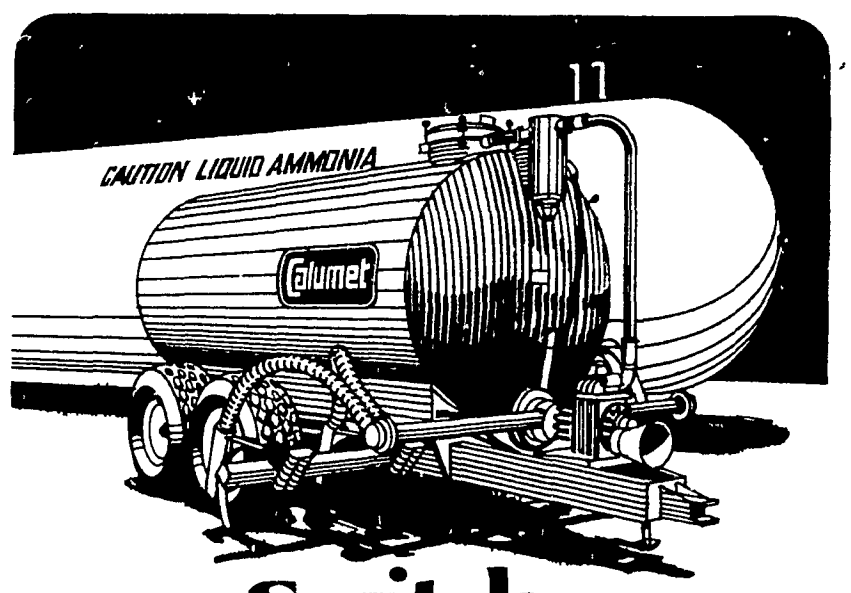


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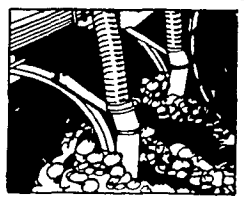

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# Photography brings 4-H'er Nat'l award

CHICAGO — Last year one of Chris Kittila's photographs won a trip to 4-H Congress in Chicago. This year Chris won a trip to Chicago himself, as Delaware's statewide 4-H photography winner. And he came home from 4-H Congress on Friday, December 5, with an even greater honor: a national 4-H photography award and a $1000 scholarship, compliments of Eastman Kodak. He is one of six national winners

When Chris first joined the Seaford Blue Jays five years ago, the 4-H club had no photography program. But in 4-H, all it takes is one interested child and one adult with some skills to share to activate a project area. Chris was interested, and his father, Allan Kittila, was willing and able to help. A research chemist by trade, Kittila is also a photography enthusiast with a basement darkroom.

Chris' interests in things mechanical and scientific made him a natural behind the camera and in the darkroom. He and his father learned a good bit from one another's experiences, but they wanted to open up their 4-H project area to others, too. First Chris managed to interest one of his friends in photography After that, the Kittilas held several photography workshops in their home to build up still more interest.

Now the Seaford Blue Jays 4-H Club has a thriving photography program Allan Kittila is the project leader, and fifteen-year-old Chris is junior photography leader. He earned the title by teaching other members of his 4-H club how to take and develop pictures.

Chris is also the official Sussex County 4-H photographer. He brings his camera to all 4-H events, taking photos for displays and local newspapers. It was one of the pictures he took at 4-H camp last year, an action show of two young people jumping for a ball, that was awarded a medal and displayed at the 1979 4-H Congress.

Each year Chris keeps a record book of his efforts and achievements in the 4-H photography project. The books diligently record examples of over-exposure, under-exposure, burned negatives and shots where a tree got in the way, as well as his best work. To look back over five years of the books, though, is to see a pattern of steady improvement.

"I've learned from these mistakes," Chris says "What I like about 4-H is the chance it gives me and my friends to work at something over a long period of time until we really get to know how to do it. In the beginning we might not know anything about a subject, but after a few years the awards start coming."

Chris Kittila, of Seaford, came home from National 4-H Congress in Chicago with a $1000 scholarship for his 4-H photography project.

Chris is an honor student at Seaford Senior High School, where he takes pictures for the yearbook and plays saxophone in the marching band, wind ensemble and stage band This year chemistry is proving to be one of his favorite subjects.

As far as winning the scholarship goes, Chris feels he owes a lot to three people his mother, Karen Kittila, a former 4-H member herself, who helped him keep up the enthusiasm for his project book; his father, from whom he larned most of what he knows about photography, and his 4-H leader, Barbara Taylor, who provided countless hours of advice on the project book The book took Chris the entire summer to do.

The thirteen-member Delaware contingent to 4-H Congress came home with plenty of photographs to help them remember their visit. Chris brought along a brand new professional-type camera - the proud result of years of grass cutting and the symbol of his commitment to the craft of photography

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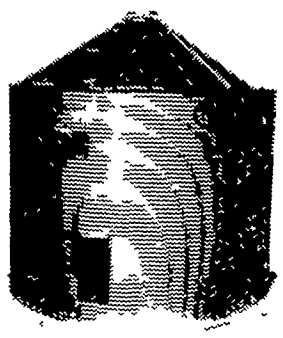

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# Animal ag group urges increase in research

WASHINGTON, D C. — Agricultural research must immediately be bolstered and targeted to meet future human needs for nutritious, safe and affordable meat, milk and eggs.

This was urged by a Task Force representing agricultural scientists, producers and consumers who also warned that the store of animal agriculture research information is close to being "picked bare"

They said more scientific knowledge is urgently needed to help maintain and improve livestock efficiency and productivity in the face of increasingly scarce land, water, energy and other critical resources.

They said investments in research and development "have not kept pace with the growing demand for animal products, with problems of dwindling natural resources, or with consumer demands for nutrition and food safety"

The Task Force for Animal Agriculture Research represents more than 200 U S scientists, producers and consumers who worked in multidisciplinary teams to identify the most urgent research needs Their view of animal agriculture encompassed human nutrition, food safety, resource conservation, and public policy, as well as the traditional agricultural sciences.

Their recommendations were released yesterday in the report, "Animal Agriculture· Research to Meet Human Needs in the 21st Century"

The Task Force was set up, according to coordinator Henry Fitzhugh, to "express the urgency of the need for support for research — private and public, state and federal"

The need was emphasized by U S. Department of Agriculture's scientific director, Anson Bertrand "The base of fundamental knowledge from which most of us in science are working today is extremely limited The general public does not have the slightest idea how precarious our position is"

From another perspective, Sylvan Wittwer, Michigan Agricultural Experiment Station Director, pointed out that "the U.S. is no longer the world's leader in agricultural research

"The free world has fallen behind the Soviets, not only in the arms race, but they have edged us out in research investments relating to the production and stability of our food supplies"

"Traditionally, animal producers and scientists have not agressively sought support for research," Fitzhugh explained "They recognized the obvious need and thought the public would, too But 20 years without a real increase in support for animal agriculture has brought us to the brink of crisis"

Today, agricultural research receives only two percent of the total USDA budget, in contrast to the 10 percent allocated in 1955 Moreover, the level of funding for agricultural research is strikingly low when compared to other federal R&D appropriations

In fiscal 1980, federal research appropriations for defense totalled $15 billion; for space, $4 6 billion; for energy, $3 7 billion; for human helath, $3 6 billion In sharp contrast, total federal spending for all agricultural R&D reached only $600 million, the Task Force pointed out, of which about half went to animal agriculture research

This low level is ironic when compared with the results that could be obtained, they said "Agricultural research has been a consistently good investment, with average annual returns of 50 percent on each dollar spent on research And the principal benefits go to consumers in the form of more, better, and less expensive food

"Because it pays off year after year in terms of more and lower-priced food, agricultural research particularly benefits low income groups," they added

"Food assistance programs are targeted to low income groups which must spend about 30 percent of their income for food, as compared to 16 percent for the average U S food buyer If federal investment in agricultural research were to equal only 10 percent of that spent on food assistance — some $12 billion in 1980 — the research investment would double"

The Task Force pointed out some examples of past advances in animal productivity which stemmed directly from research:

One Holstein cow produced a record 55,000 pounds of milk in one lactation — enough to supply 100 average Americans with milk for one year And, since 1945, the average milk yield per cow has more than doubled, from 4500 pounds to 11,700 pounds.

This has resulted in greater efficiency in feed and energy use

Pigs now reach the market younger and leaner The time required to reach market weight has been reduced by 20 percent, from 280 to 160 days, with 14 percent less carcass fat

These improvements alone save more than four million tons of feed grain per year

A vaccine developed to prevent Marek's Disease in poultry has practically eliminated death loss from MD in broilers and was a major factor increasing average eggs laid per hen, from 219 in 1970 to 232 in 1974

The value of these improvements is estimated to be $168 million in 1974 alone, most of which was passed on to consumers in lower prices for poultry and eggs

In addition, these studies of MD produced a side benefit, according to F L Raucher, former head of the National Cancer Institute.

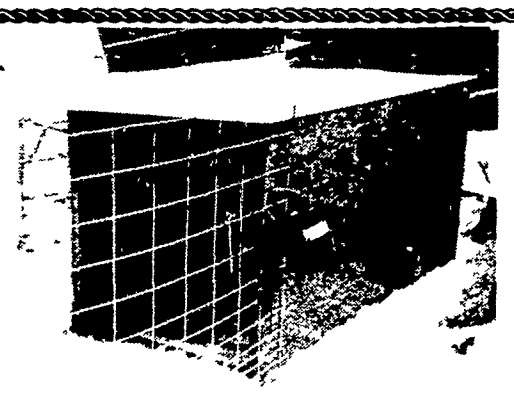
He said they "will contribute substantially, not only to the control of this cancer in chickens, but also to the prevention and control of cancers in man"

The Task Force noted that such advances resulted from research completed years earlier, and that productive research requires both time and concentration of effort to implement. To meet the challenges of the near term and the coming century, they said more research is needed now in such areas as

Resource conservation — to better utilize low quality ligno-cellulosic materials for animal feed, and animal wastes for fuel and fertilizer, to reduce loss of food value due to animal disease, product contamination or inadequate packaging; to protect environmental resources by using animals to produce human food from fragile ecosystems which would be damaged by crop agriculture

Human health — to establish requirements for animal product-supplied nutrients; to determine relationships between diet and health; to evaluate transfer of resistance fac-

(Turn to Page C15)

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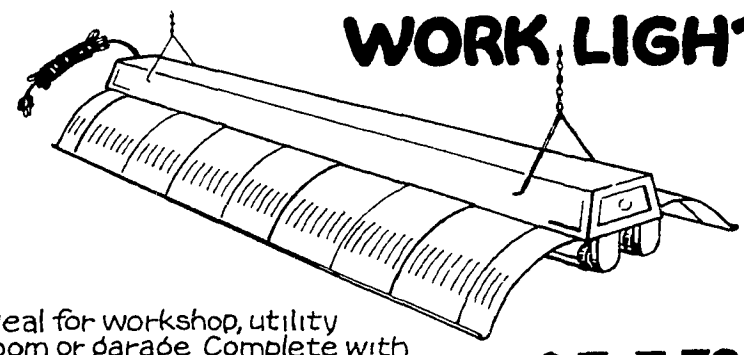

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# Research needs

(Continued from Page C14)

tors among animal and human pathogens; to eliminate contamination of food products by pathogens and toxic substances.

Biological engineering — research, involving latest developments in modecular biology, to improve efficiency of protein synthesis; to control body fat deposition; to improve digestion of cellulose by animal gut microflora; to promote reproductive efficiency.

Systems research — research on the complex problems facing animal agriculture, employing a comprehensive, multidisciplinary systems approach; sophisticated tools of space research, such as mathematical programming and electronic instrumentation, should be applied to animal agriculture.

In addition, research knowledge can assist policy makers who must deal with global events or domestic concerns

Events, such as climate change, OPEC embargoes and Middle East conflicts, contribute to future economic uncertainty and food supply and price instabilities.

"A top priority research effort is needed to develop and evaluate alternative national strategies for dealing with sudden and important shocks to the world food system," the Task Force said

Concerns for safety and environmental questions have diverted — often unintentionally — available research resources from production and nutrition efforts. Many regulations needlessly inhibit the efficient use of resources and raise costs to consumers, the Task Force explained

Research can provide guidance on such issues and lead to more responsible regulatory policies.

"Animal agriculture has been taken for granted for too long We have produced what we needed, efficiently, and at good value to consumers. But can we continue, given increasingly scarce resources? In Japan, beef sells for $20 per pound. It could happen here," Fitzhugh warned

Principal sponsors of the conference included the American Association for the Advancement of Science, American Dairy Science Association, American Meat Science Association, American Society of Animal Science, Association of American Veterinary Colleges, Michigan State University's Agricultural Experiment Station and College of Veterinary Medicine, Poultry Science Association, U S. Department of Agriculture, and Winrock International Livestock Research and Training Center.

In addition, state agricultural experiment stations, colleges of veterinary medicine, and national livestock organizations also supported the conference.

# *Chinese no-till among topics at January meeting*

LANCASTER — Firsthand observations of no-tillage farming on the ancient lands of China will be featured during the 7th Annual Mid-Atlantic No-Till Conference to be held January 8 at the Host Farm Resort west of Lancaster, on U.S. Route 30.

Describing Chinese tillage from "super-till to no-till" will be William H. Hinton of Fleetwood, author of five books on China and consultant to the Chinese government. Hinton has practiced no-till cropping on his own farm and tells Chinese officials and peasants alike, "the less tillage the better."

Tickets for the Mid-Atlantic No-Till Conference are available from county agents only in the six states of Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia.

No tickets will be sold at the door, says general chairman Donald J. Overdorff, county agent in Cumberland County. Capacity crowds of 1000 farmers and industry personnel attend annually The event is sponsored by the colleges of agriculture in the six states, in cooperation with agribusiness firms.

Program speaker Hinton says the Chinese have used no-tillage practices for centuries - for example, by seeding beans in wheat stubble. The Chinese still use many primitive no-tillage methods such as planting corn in young wheat by making a hole with a stick and dropping a seed.

The No-Till Conference will include a panel of farmers discussing no-till drilling of alfalfa and small grains versus conventional seeding. The panel will include Fred McGillvray of Newville, Pa., E. Kenneth Stonesifer of Still Pond, Md., and Bruce S Berkey of State College, Pa. Moderating the panel will be Lynn D. Hoffman, Penn State agronomist.

Registration at 8 a m. opens the January 8 event. Morning topics start at 9:30 with "Spray It Yourself," presented by Donald R. Daum, agricultural engineer at Penn State. Glover B. Triplett, agronomist from Ohio State University, will discuss "Tillage and Agricultural Challenges." S.H. Phillips, crops specialist at the University of Kentucky, will speak on "Managing No-Till for the Future."

The afternoon program will begin at 1.30 on the topic, "Stalk Borer Control," presented by Stanley G. Gesell, entomologist from Penn State. William H Mitchell, University of Delaware agronomist, will describe "Energy Requirements of No-Till Versus Conventional Tillage." "No-Tillage Under Stress Conditions" will be the topic of V Allan Bandel, agronomist from the University of Maryland.

The Mid-Atlantic No-Till Conference will include numerous educational and commercial exhibits by agricultural firms

# Named honorary county agent

Rolland Herring, right, of Chalkhill, Fayette County, has been named an Honorary County Agent by the Pennsylvania Association of County Agricultural Agents. Presenting the award, an inscribed bullskin, are C.M. Skillington, left, Elk County Extension director and state association president; and Leslie N. Firth, Mercer County Extension director and president of the National Association of County Agricultural Agents. Herring was cited for his contributions to Penn State's extension service through his work as an office in the Pennsylvania Council of Cooperative Extension Associations.


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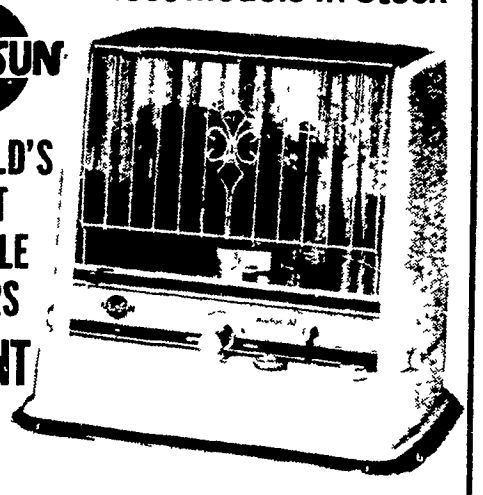

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# Berks County honors top DHIA herds

KUTZTOWN — The 1980 Berks County DHI banquet and Awards program was held last Friday, at the Kutztown Grange. Approximately 250 Berks County dairymen attended.

Burd Schantz, Berks County DHI Association President presided over the meeting and introduced the speakers who this year were all Berks County dairymen Each was the recipient of one of this year's production awards, and each was requested to spend some time discussing their respective management programs

This year, high herd for milk was that of Charles and Tim Kissling with a yearly average of 22,182 pounds.

High fat herd was Heindel Farms Inc. owned by George and Glen Seidel with a yearly average of 775 pounds of butterfat

The top milk cow in the county was owned by F.M Brown's Sons, Inc with a 305 day lactation record of 30,332 pounds of milk.

Andrew Stoltzfus owned the top fat cow in the county with a 305 day lactation record of 1244 pounds of fat

This year two new longevity awards were added with George Troutman being recognized as owner of the cow with the highest lifetime milk production record and Ray Seidel was recognized as the owner of the cow with the highest lifetime butterfat record.

Of the county's 171 herds, 164 completed records of 400 pounds milk or better Average milk production per cow was 14,813 pounds milk and 554 pounds fat with a 3 7 test.

Berks County dairymen averaged $1220 return over feed costs, about $50 ahead of the state average of $1168 Figures were computed on the 11,085 cows on DHIA in the county

From left, award winners at the Berks County DHIA meeting included Mr. & Mrs. Andrew Stoltzfus, Mr. & Mrs Ray Seidel, Mr. & Mrs. Tim Kissling, Glen Seidel, Charles Brown, Mr. & Mrs. Charles Kissling, Mrs. Glen Seidel, Mr. & Mrs. George Seidel.

George Troutman received a plaque honoring him as owner of the cow with the highest lifetime milk production record in Berks County.

# *Order 4 milk price pegged at $15.30*

ALEXANDRIA, Va. — Middle Atlantic Order Market Administrator Joseph D. Shine Monday announced a Class I milk price of $15.30 per hundredweight for January 1981.

This price is up 10 cents from the December price and is $1.25 above the January 1980 price.

Order No. 4 prices are announced for milk testing 3.5 percent butterfat, f.o.b plants located within 55 miles of Philadephia, and also within 75 miles from the nearer of Washington, DC or Baltimore, Md.

There is also a six-cent direct-delivery differential applicable to producer milk received at plants located within 55 miles of Philadelphia.

Shine announced a Class II price of $12 60 per hundredweight for November 1980 and a butterfat differential of 17.0 cents for the month. The Class II milk price also increased 10 cents from the previous month while the butterfat differential is up one-tenth of a cent.

These class prices are based on the November 1980 Minnesota-Wisconsin manufacturing milk price of $12 52 per hundredweight adjusted to a 3.5 percent butterfat content.

The USDA reported that the wholesale price of Grade A butter at Chicago for November was $1.4760 per pound and the nonfat dry milk price $ 9333 per pound, f.o.b. plants in the Chicago area.

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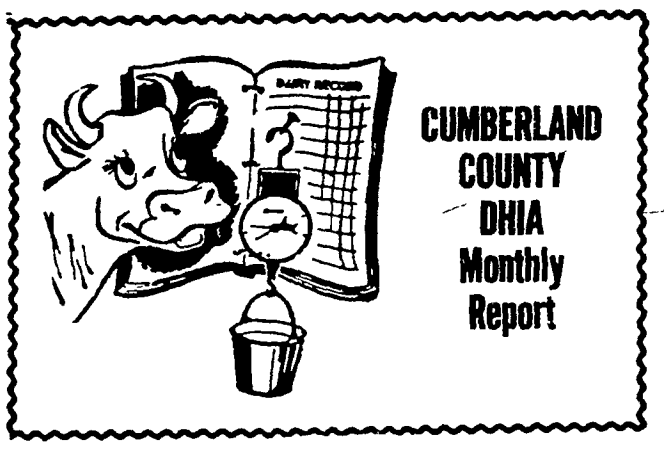


**October 1980**

CARLISLE — Cumberland County Dairy Herd Improvement records show that 9321 5 cows in 147 herds were on production testing in October according to Duane G Duncan, county agent

Of the 123 Herds on DHIA, 52 herds had an average fat production of 1 50 pounds per cow per day for the month During the month 234 completed their 305 day lactation with 600 pounds of butterfat

DHIA Supervisors working with the dairymen to improve efficiency include Harold Boldosser 130 Old Gap Road Carlisle, Paul Wynn Box 88 Newburg, and Jay Zeigler, R1, Carlisle

The following are the highest of actual butterfat in 305 days or less in the county during the month The age listed in her age at the time of freshing

| | | | | |
|---|---|---|---|---|
| Paul Strock | | | | |
| Harriett | RH | 6 | 21 596 | 887 |
| John F Stamy III | | | | |
| 46 | RH | 8 | 21 154 | 883 |
| John F Stoltzfus | | | | |
| Jewel | RH | 5 | 23 430 | 864 |
| Ashcombe Farms | | | | |
| 270 | GH | 5 | 22 863 | 864 |
| David S Miller | | | | |
| Roseann | GH | 4 | 24 478 | 845 |
| John E Lapp | | | | |
| Marie | RH | 5 | 21,069 | 844 |
| Norman Hertzler | | | | |
| Sharon | RH | 4 | 21 021 | 834 |
| Paul R Cornman | | | | |
| Patsy | RH | 3 | 19,105 | 833 |
| Leroy Showaker & Son | | | | |
| Queen | RH | 6 | 20,519 | 825 |
| Berkheimer Farms | | | | |
| 91 | GH | 4 | 21 006 | 820 |

**High DHIA Summaries for October**

| OWNER | BREED | NO COWS | % DAYS IN MILK | LBS MILK | % FAT | LBS FAT |
|---|---|---|---|---|---|---|
| Furman Landis | G3 | 37 | 87 | 52 5 | 3 8 | 1 97 |
| M Thomas Sheaffer | 3 | 49 | 91 | 56 8 | 3 4 | 1 95 |
| Donald L Basehore | 3 | 37 | 97 | 51 8 | 3 5 | 1 83 |
| Robert H Jamison | 3 | 24 | 84 | 50 3 | 3 6 | 1 83 |
| Edward L Brackbill | B3 | 33 | 93 | 43 8 | 4 1 | 1 80 |
| John F Stoltztus | B3 | 46 | 91 | 48 0 | 3 7 | 1 78 |
| John E Lapp | B3 | 40 | 89 | 47 7 | 3 7 | 1 76 |
| Berkheimer Farms | B3 | 127 | 83 | 46 0 | 3 8 | 1 73 |
| Sundays Vallilea Fms | B3 | 133 | 89 | 46 8 | 3 7 | 1 71 |
| Paul R Cornman | 3 | 35 | 95 | 45 5 | 3 8 | 1 71 |
| Mark A Naugle | 3 | 49 | 86 | 43 8 | 3 9 | 1 70 |
| John F Stoltzfus | B3 | 46 | 88 | 48 0 | 3 5 | 1 69 |
| Paul Strock | 3 | 117 | 87 | 46 8 | 3 6 | 1 68 |
| John M Lippert | 3 | 39 | 87 | 44 5 | 3 8 | 1 68 |
| Elmer Gettle | B3 | 43 | 82 | 42 5 | 3 9 | 1 67 |
| Berkheimer Farms | B3 | 128 | 85 | 46 7 | 3 6 | 1 66 |
| Fred B McGillvray | 3 | 35 | 89 | 44 8 | 3 7 | 1 66 |
| Roy & James Miller | B3 | 54 | 88 | 46 7 | 3 5 | 1 65 |
| Norman Hertzler | 3 | 40 | 86 | 42 6 | 3 8 | 1 63 |
| Nealy Brothers | B3 | 56 | 90 | 49 2 | 3 3 | 1 61 |
| Clifford Chamberlin | 3 | 27 | 80 | 45 8 | 3 5 | 1 60 |
| John F Stamy, III | 3 | 132 | 87 | 44 1 | 3 6 | 1 60 |
| Creedin C Cornman | 3 | 32 | 90 | 42 4 | 3 8 | 1 60 |
| Ross H Holtry | B3 | 51 | 91 | 47 4 | 3 4 | 1 59 |
| Lucille Ocker Family | B8 | 38 | 95 | 46 8 | 3 4 | 1 59 |
| Roy L Coover | B3 | 71 | 85 | 42 3 | 3 7 | 1 58 |
| Sandrod Farms | B3 | 41 | 89 | 41 7 | 3 8 | 1 58 |
| Stambaugh Farms | B3 | 153 | 86 | 36 9 | 4 3 | 1 57 |
| Ashcombe Farms | B3 | 271 | 87 | 46 8 | 3 3 | 1 56 |
| Paul B Sensenig | B3 | 34 | 78 | 43 7 | 3 6 | 1 56 |
| David S Miller | B3 | 26 | 87 | 44 5 | 3 5 | 1 55 |
| Kenneth E Zeigler | 3 | 42 | 94 | 41 8 | 3 7 | 1 55 |
| Roy L Coover | B3 | 70 | 81 | 39 9 | 3 9 | 1 55 |
| Ashcombe Dover Dairy | B3 | 256 | 85 | 42 9 | 3 6 | 1 54 |
| John F Stamy, III | 3 | 125 | 84 | 42 6 | 3 6 | 1 54 |
| Paul O Dyarman | 3 | 63 | 89 | 41 5 | 3 7 | 1 53 |
| Hale & Burkholder | 3 | 46 | 85 | 40 8 | 3 8 | 1 53 |
| Roy E Snoke | 3 | 29 | 88 | 42 7 | 3 6 | 1 52 |
| D McCullough Unit 2 | B3 | 95 | 85 | 38 1 | 4 0 | 1 52 |
| Carl Kelso, Jr | B3 | 67 | 94 | 41 0 | 3 7 | 1 51 |
| Frank J Yost | 3 | 62 | 88 | 40 1 | 3 8 | 1 51 |
| Glenn W Myers | B3 | 47 | 89 | 45 7 | 3 3 | 1 50 |
| Leroy Showaker & Son | 3 | 71 | 83 | 38 7 | 3 9 | 1 50 |

| OWNER NAME OR NO. | AGE | LBS MILK | % FAT | LBS FAT |
|---|---|---|---|---|
| Otto Brothers | | | | |
| 42 | 7 | 18 662 | 3 8 | 715 |
| Mark A Naugle | | | | |
| Laura | 7 | 15,634 | 4 2 | 657 |
| Fan | 7 | 19,636 | 3 2 | 637 |
| Flower | 5 | 20 205 | 3 8 | 767 |
| Janet | 5 | 19,990 | 3 9 | 777 |
| Agnes | 3 | 17,815 | 3 5 | 629 |
| Selma | 2 | 18 751 | 3 4 | 638 |
| Robert Strock | | | | |
| Cellia | 6 | 20,755 | 3 0 | 615 |
| Juliet | 5 | 18,471 | 3 8 | 709 |
| Trixie | 4 | 18,794 | 3 6 | 680 |
| Geneva | 3 | 22 692 | 3 4 | 780 |
| Norman Hertzler | | | | |
| Beauty | 7 | 24,562 | 3 3 | 808 |
| Sharon | 4 | 21,021 | 4 0 | 834 |
| Donald L Basehore | | | | |
| Hope | 3 | 15,328 | 3 9 | 600 |
| Paul R Cornman | | | | |
| Martha | 9 | 19 715 | 3 3 | 652 |
| Patsy | 3 | 19,105 | 4 4 | 833 |
| Flicker | 2 | 16,865 | 3 6 | 614 |
| Sundays Vallilea Farms | | | | |
| 140 | 9 | 21,466 | 3 4 | 720 |
| 68 | 7 | 22,047 | 3 6 | 785 |
| 40 | 5 | 24,864 | 2 9 | 709 |
| 6 | 5 | 20,415 | 3 8 | 774 |
| 82 | 4 | 22,942 | 3 9 | 667 |
| Freshair Dairy Farms | | | | |
| Winnie | 5 | 18,798 | 3 5 | 653 |
| Lois | 3 | 18,043 | 3 3 | 600 |
| John M Lippert | | | | |
| Idle | 8 | 22,029 | 3 6 | 801 |
| Lonnie | 6 | 15,673 | 4 1 | 636 |
| Cindy | 5 | 18 492 | 3 9 | 726 |
| J B Brymesser & Sons | | | | |
| 167 | 5 | 21,436 | 3 4 | 726 |
| Ashcombe Farms | | | | |
| 85 | 7 | 23 409 | 3 3 | 774 |
| 69 | 6 | 18,742 | 3 9 | 725 |
| 117 | 6 | 21 317 | 3 5 | 744 |
| 270 | 5 | 22 863 | 3 8 | 864 |
| 216 | 5 | 19,528 | 3 3 | 642 |
| 323 | 4 | 17 969 | 3 9 | 692 |
| 326 | 4 | 19,300 | 3 2 | 613 |
| 328 | 4 | 19,266 | 3 3 | 639 |
| 343 | 4 | 21,791 | 3 2 | 699 |
| 348 | 4 | 18 987 | 3 4 | 654 |
| 361 | 4 | 18 083 | 3 5 | 638 |
| 363 | 3 | 22 871 | 3 2 | 722 |
| 3 | 3 | 16,965 | 3 8 | 651 |
| 35 | 3 | 20,774 | 3 1 | 644 |
| 40 | 3 | 18,805 | 3 4 | 647 |
| 60 | 3 | 17,616 | 3 9 | 692 |
| 67 | 3 | 19 163 | 3 4 | 646 |
| 95 | 2 | 17,932 | 3 5 | 624 |
| 129 | 2 | 17,171 | 3 7 | 632 |
| 44 | 2 | 15 499 | 4 0 | 619 |
| 366 | 2 | 15 751 | 3 8 | 605 |
| David L Miller | | | | |
| 124 | 9 | 19,489 | 3 7 | 720 |
| Lady | 5 | 20,750 | 3 6 | 745 |
| Lee G Davidson | | | | |
| Melody | 5 | 22 645 | 3 3 | 737 |
| Lady | 2 | 16 952 | 3 8 | 637 |
| Chester & Galen Smith | | | | |
| Robbie | 15 | 15,250 | 4 0 | 616 |
| Betsy | 7 | 17,903 | 3 6 | 649 |
| Amy | 6 | 15,022 | 4 2 | 635 |
| Lee | 5 | 18 070 | 3 5 | 625 |
| Holly D | 3 | 19,339 | 3 4 | 664 |
| Herma | 3 | 19,047 | 3 2 | 608 |
| Pandy | 3 | 18,223 | 3 8 | 695 |
| Gay | 2 | 16,711 | 3 7 | 611 |
| Gem | 2 | 17 879 | 3 8 | 687 |
| Thrush Bros | | | | |
| 17 | 12 | 18,657 | 3 8 | 711 |
| 90 | 7 | 18,261 | 3 5 | 648 |
| 75 | 6 | 21 767 | 3 6 | 780 |
| 10 | 2 | 14,820 | 4 3 | 642 |

(Turn to Page C18)


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# Cumberland Co. DHIA

(Continued from Page C17)

| | | | | |
|---|---|---|---|---|
| Willard Frought | | | | |
| 4 | 4 | 16 105 | 3 8 | 605 |
| Roy L & James Miller | | | | |
| 13 | 7 | 21,590 | 3 5 | 761 |
| 19 | 3 | 23 426 | 3 4 | 786 |
| 4 | 5 | 17,627 | 3 6 | 635 |
| E Lee Oiler & Son | | | | |
| GG | 3 | 19,042 | 3 4 | 640 |
| D Lehman | | | | |
| 15 | 7 | 18,073 | 3 9 | 712 |
| 53 | 4 | 16 987 | 3 8 | 639 |
| Roy L Coover | | | | |
| 15 | 5 | 20 753 | 3 4 | 710 |
| 33 | 5 | 20 275 | 3 9 | 783 |
| R 48 | 3 | 18 514 | 4 1 | 763 |
| 16 | 4 | 15,611 | 4 0 | 628 |
| 91 | 5 | 17,605 | 3 6 | 628 |
| 37 | 3 | 20 974 | 3 3 | 689 |
| 1 | 3 | 20 749 | 3 3 | 689 |
| Paul Strock | | | | |
| Harriett | 6 | 21,596 | 4 1 | 887 |
| Sugar | 5 | 16 485 | 3 8 | 622 |
| Skyline | 5 | 22 546 | 3 3 | 742 |
| Silence | 4 | 20 712 | 3 1 | 649 |
| Carrie | 4 | 20 388 | 3 2 | 644 |
| Haven | 3 | 19,240 | 3 5 | 664 |
| Hawkeye | 3 | 20,659 | 3 1 | 648 |
| Harvest | 3 | 19 700 | 3 3 | 643 |
| Polly | 2 | 18 173 | 3 5 | 627 |
| Hilda | 3 | 21 054 | 3 0 | 642 |
| Sally | 2 | 17,362 | 3 7 | 636 |
| Paul O Dyarman | | | | |
| Shirley | 12 | 18,621 | 3 7 | 695 |
| Fern | 8 | 17 464 | 3 5 | 604 |
| Joanie | 6 | 16,533 | 3 8 | 631 |
| Edie | 4 | 13,999 | 4 5 | 627 |
| Harry & Paul Hoch | | | | |
| Posie | 7 | 17 989 | 3 4 | 615 |
| Merle & Sharon Dice | | | | |
| 36 | 9 | 18 906 | 3 9 | 739 |
| 9 | 3 | 16,790 | 4 0 | 675 |
| 90 | 5 | 20 041 | 3 4 | 682 |
| 12 | 3 | 16 801 | 4 1 | 696 |
| Heiser Farm Dairy | | | | |
| 40 | 7 | 17,933 | 3 5 | 620 |
| Alfred Gaisler | | | | |
| Fortune | 5 | 18 430 | 3 6 | 669 |
| Destiny | 3 | 15 729 | 4 3 | 683 |
| Milk Way Farms | | | | |
| 100 | 6 | 16 917 | 4 4 | 752 |
| 108 | 5 | 21 822 | 3 4 | 732 |
| 49 | 3 | 20 631 | 3 5 | 719 |
| 112 | 3 | 16 329 | 3 8 | 615 |
| 159 | 3 | 17 299 | 3 5 | 612 |
| 109 | 2 | 15 476 | 3 9 | 605 |
| 126 | 2 | 17 006 | 4 1 | 694 |
| K Hale & N Burkholder | | | | |
| Fairy | 7 | 19,095 | 3 9 | 753 |
| Ivy | 3 | 20 463 | 3 3 | 679 |
| Paul E Peffer & Son | | | | |
| Patsy | 6 | 18 599 | 3 6 | 664 |
| Elmer Gettle | | | | |
| Elsie | 5 | 20 678 | 3 9 | 798 |
| Rodger E Hoke | | | | |
| 49 | 7 | 18 476 | 3 4 | 627 |
| 183 | 8 | 17,223 | 3 5 | 605 |
| 208 | 6 | 17 084 | 3 6 | 617 |
| D Clinton Sauder | | | | |
| Kelly | 7 | 20 501 | 3 0 | 621 |
| J Shephard Wolf | | | | |
| Fancy | 2 | 15 146 | 4 0 | 602 |
| Herbert B Shughart | | | | |
| Lucky | 7 | 18,853 | 3 6 | 687 |
| D T McCullough Unit 2 | | | | |
| 137 | 6 | 19 318 | 3 8 | 737 |
| 186 | 4 | 17,187 | 3 9 | 666 |
| 122 | 4 | 19 778 | 4 2 | 828 |
| 91 | 2 | 19,667 | 3 1 | 600 |
| Frank J Yost | | | | |
| Queen | 4 | 19,901 | 3 5 | 690 |
| Her Joy Farms | | | | |
| Mitzie | 5 | 19,138 | 3 6 | 687 |
| Hazel | 3 | 19,715 | 3 3 | 655 |
| Ashcombe Dover Dairy | | | | |
| R 25 | 13 | 21,394 | 3 7 | 790 |
| B 36 | 9 | 19,747 | 3 5 | 701 |
| R 214 | 6 | 15,239 | 4 1 | 618 |
| 242 | 6 | 18,049 | 3 6 | 644 |
| 264 | 6 | 18,750 | 3 5 | 654 |
| R 239 | 6 | 23,258 | 3 4 | 796 |
| 308 | 5 | 20,828 | 3 6 | 741 |
| 343 | 4 | 21,840 | 3 3 | 730 |
| 355 | 4 | 22,766 | 3 0 | 676 |
| 382 | 3 | 20 735 | 3 5 | 734 |
| R 31 | 3 | 19,991 | 3 6 | 715 |
| R 35 | 3 | 20,107 | 3 3 | 670 |
| 395 | 3 | 16,764 | 3 6 | 608 |
| 39 | 2 | 17,949 | 3 4 | 602 |
| R 72 | 2 | 17,580 | 3 4 | 605 |
| Paul Basehore | | | | |
| Bell | 5 | 23,589 | 3 0 | 717 |
| Leroy Showaker & Son | | | | |
| Queen | 6 | 20,519 | 4 0 | 825 |
| Fran | 6 | 16 564 | 4 4 | 735 |
| Sara | 5 | 20 481 | 3 8 | 769 |
| John F Stamy, III | | | | |
| 36 | 10 | 17,214 | 3 6 | 618 |
| 162 | 9 | 18 683 | 4 0 | 740 |
| 46 | 8 | 21,154 | 4 2 | 883 |
| 73 | 7 | 19 078 | 3 9 | 753 |
| 37 | 6 | 20 363 | 3 4 | 683 |
| 13 | 5 | 19 324 | 3 8 | 738 |
| 17 | 5 | 17 171 | 3 8 | 656 |
| 39 | 5 | 17 877 | 3 7 | 668 |
| 52 | 5 | 17 725 | 3 9 | 692 |
| 64 | 5 | 19,532 | 4 2 | 819 |
| 67 | 5 | 19 677 | 3 5 | 686 |
| 106 | 3 | 19 829 | 3 9 | 783 |
| Carl Kelso, Jr | | | | |
| 23 | 7 | 20,028 | 3 5 | 709 |
| 43 | 6 | 21,276 | 3 4 | 719 |
| 6 | 5 | 23,256 | 3 1 | 714 |
| 55 | 5 | 20,903 | 3 2 | 666 |
| John E Lapp | | | | |
| Marie | 5 | 21,069 | 4 0 | 844 |
| Donna | 5 | 17,140 | 4 6 | 783 |
| Debora | 4 | 18,586 | 3 6 | 676 |
| Leroy Chestnut | | | | |
| 26 | 6 | 18,092 | 3 5 | 642 |
| 61 | 4 | 19,297 | 3 4 | 665 |
| 30 | 4 | 16 596 | 3 7 | 613 |
| Chester C Weaver | | | | |
| Uncle | 10 | 15,418 | 4 0 | 620 |
| Bumper | 6 | 15,222 | 4 3 | 652 |
| Sandrod Farms | | | | |
| 60 | 3 | 14,796 | 4 2 | 617 |
| 30 | 2 | 17,669 | 3 8 | 679 |
| Melvin Sensenig | | | | |
| Topsy | 4 | 15,747 | 4 0 | 633 |
| Oscar Nealy & Sons | | | | |
| 4 | 8 | 17 228 | 3 7 | 631 |
| 50 | 3 | 21,099 | 2.9 | 613 |
| Harold E Weaver, Jr | | | | |
| 42 | 4 | 15,983 | 4 2 | 672 |
| 12 | 3 | 16,185 | 3 7 | 604 |
| Berkheimer Farms | | | | |
| 56 | 5 | 16,395 | 3 8 | 628 |
| 85 | 6 | 19 926 | 3 2 | 635 |
| 91 | 4 | 21,006 | 3 9 | 820 |
| 103 | 5 | 14,133 | 4 3 | 611 |
| 105 | 5 | 19,097 | 3 4 | 651 |
| 46 | 4 | 17,870 | 3 6 | 651 |
| 72 | 4 | 19,123 | 3 4 | 650 |
| 60 | 4 | 19 004 | 3 3 | 629 |
| Stambaugh Farms | | | | |
| 41 | 7 | 20 914 | 3 1 | 650 |
| 60 | 6 | 21,097 | 3 3 | 697 |
| 78 | 6 | 18 350 | 3 9 | 721 |
| 82 | 5 | 21 854 | 3 3 | 717 |
| 86 | 6 | 20,447 | 3 2 | 660 |
| 96 | 6 | 17,903 | 3 9 | 703 |
| 131 | 7 | 19,983 | 3 9 | 783 |
| 1 | 5 | 16,565 | 3 7 | 620 |
| 142 | 8 | 17,786 | 4 1 | 732 |
| 31 | 3 | 16 940 | 3 7 | 620 |
| Glenn W Myers | | | | |
| Robin | 4 | 18 187 | 3 7 | 672 |
| Claudia | 3 | 17 091 | 3 5 | 602 |
| Nealy Brothers | | | | |
| 8 | 3 | 18 543 | 3 3 | 615 |
| Fred & Chris McGillvray | | | | |
| 1 | 5 | 20 782 | 3 0 | 630 |
| 5 | 5 | 23 537 | 2 9 | 687 |
| J Douglas Martin | | | | |
| 134 | 6 | 19 839 | 3 2 | 630 |
| 8 | 6 | 19 805 | 3 5 | 688 |
| Kenneth E Zeigler | | | | |
| Barb | 3 | 15 522 | 3 9 | 607 |
| David E Lapp | | | | |
| Kim | 10 | 21 061 | 3 6 | 754 |
| Cindy | 6 | 16 139 | 3 9 | 632 |

(Turn to Page C19)

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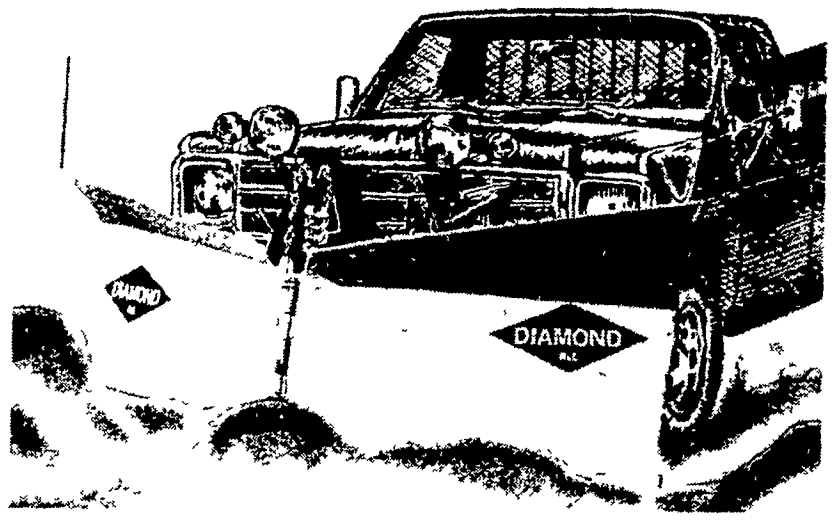

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Allow easy break-through in heavy snow without setting the truck sideways.

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# Organic versus conventional farming

UNIVERSITY PARK — Conventional and organic farming have much in common. They differ principally in the use of modern chemical technology. Conventional farmers use commercial fertilizers, pesticides and animal feed additives to increase productivity, but organic farmers prefer to use natural resources

"Organic and conventional farming are similar in many respects," says Peter A. Ferretti, extension horticulturist at Penn State, "but they differ in their use of the products of chemical technology. Conventional farmers use them, but organic farmers prefer to avoid them."

Organic farmers prefer to use naturally occurring chemicals such as phosphate rock and limestone, manures produced by domestic animals, nitrogen derived from the atmosphere by leguminous plants, and substances with pesticidal properties that are produced by certain plants.

Conventional farmers use these chemicals and, in addition, use commercial fertilizers, synthetic pesticides, nutritional additives in animal feeds, and animal drugs

Conventional farmers have been adopting the new technologies to increase their profits. Early adopters of new technologies have made extra profits, but these were not sustained when the technologies were widely adopted because the new methods increased agricultural production, and prices then declined, transferring most of the economic benefit to consumers.

Plant residues and animal manures available on farms are valuable because they contain nutrients required by plants and because they improve the physical properties of soils

Both organic and conventional farmers use them, and the amount of these forms of organic matter returned is frequently greater in conventional farming than in organic farming because of higher yields.

"We have put most of our emphasis on organic gardening rather than organic farming," says Ferretti. "Organic gardening is a considerably more attractive and feasible proposition than is organic farming In farming, there just isn't enough organic matter to go around Farmers can't grow enough on their own farms. To meet the nutrient needs of their crops, they would need to bring in the organic matter from several other farms Organic gardeners operate on a small scale and can usually apply grass clippings and leaves from their own land and sometimes additional organic matter from other areas.

"Organic gardeners can control weeds by manual methods that aren't feasible for farms. Gardeners can choose fruits, vegetables, and ornamentals that usually survive without pesticides and, of course, if the yield is poor as a result of nutrient deficiencies, or if part of the produce is lost to pests, gardeners haven't suffered a financial disaster because organic gardening is a hobby, not the primary source of livelihood. They can always go to the store and purchase what they need."

# Cumberland Co. DHIA

(Continued from Page C18)

| | | | | |
|---|---|---|---|---|
| David S Miller | | | | |
| Cynthia | 6 | 21 083 | 30 | 622 |
| Roseann | 4 | 24 478 | 35 | 845 |
| John F Stoltzfus | | | | |
| Betty | 6 | 20 466 | 35 | 711 |
| Jewel | 5 | 23 430 | 37 | 864 |
| Molly | 5 | 19 546 | 35 | 693 |
| Sara | 7 | 15 553 | 39 | 614 |
| Twin | 6 | 19,574 | 39 | 769 |
| Rosa | 3 | 20 400 | 40 | 814 |
| Kate | 2 | 19 101 | 34 | 645 |
| Mervin E Ruppert | | | | |
| Trouble | 3 | 18 523 | 37 | 685 |
| Joe & Brenda Cochran | | | | |
| Highlight | 5 | 17 288 | 36 | 616 |
| Cornela | 6 | 20 998 | 37 | 769 |
| Allen B Martin | | | | |
| 38 | 4 | 18 472 | 33 | 605 |
| Paul Sensenig | | | | |
| Fayanna | 6 | 19 108 | 35 | 666 |
| Harvey Newswanger | | | | |
| 11 | 4 | 17,822 | 35 | 617 |
| Francis Mains | | | | |
| 3 | 3 | 15,671 | 42 | 658 |
| 29 | 4 | 17 891 | 38 | 675 |
| M Thomas Sheaffer | | | | |
| Pamela | 4 | 20 415 | 33 | 683 |
| Cope | 7 | 21 854 | 31 | 677 |
| Mains Acres | | | | |
| 22 | 7 | 19 250 | 42 | 807 |
| 125 | 3 | 17 004 | 39 | 669 |
| 185 | 3 | 12 820 | 48 | 609 |
| 72 | 3 | 19 196 | 33 | 637 |
| Lee A Hoover Jr | | | | |
| Carrie | 6 | 20 942 | 36 | 756 |
| Liza | 6 | 22 479 | 34 | 760 |
| Nevin Shughart | | | | |
| Sally | 9 | 15 859 | 46 | 722 |
| Grace | 6 | 20 117 | 36 | 721 |
| Sissy | 3 | 17 214 | 43 | 744 |
| Wilda | 4 | 15 975 | 41 | 658 |

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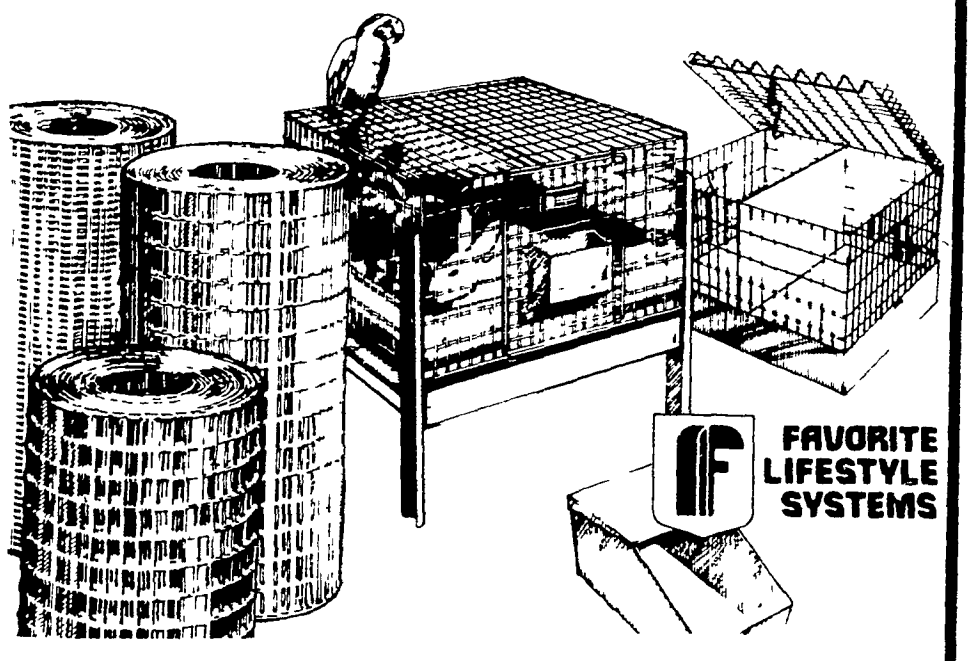

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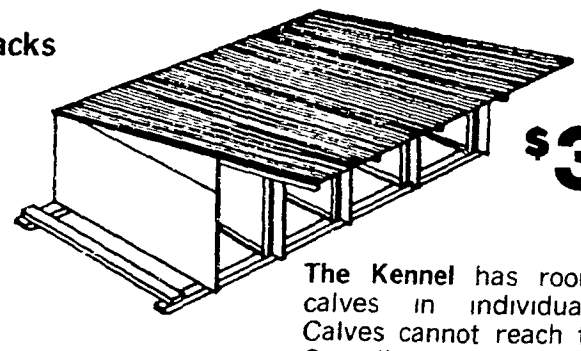

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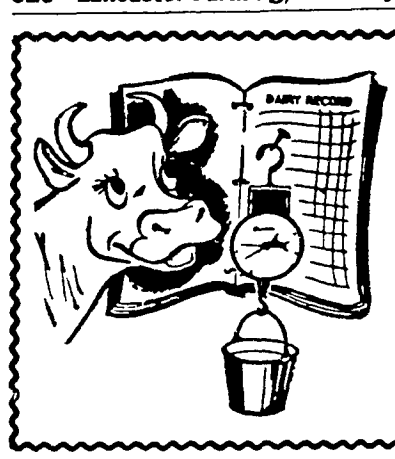


# Schuylkill County DHIA

**Annual Summary**

Twenty eight herds exceeded an average production of 400 pounds of butterfat per cow A complete list of these herd owners follows

| OWNER | BREED | NO COWS | LBS MILK | LBS FAT |
|---|---|---|---|---|
| Miller & Rex | R&GH | 34 4 | 18,118 | 748 |
| Heisler Brothers | R&GH | 68 8 | 17,992 | 724 |
| Suntrail Dairy Farm | RH | 50 9 | 17 707 | 631 |
| Carl A Farms | RH | 60 1 | 18,668 | 658 |
| Wilbert Moyer | RH | 37 3 | 16,889 | 639 |
| Paul & Ken Wagner | RH | 57 5 | 16,214 | 631 |
| William R Daubert | RBS | 80 7 | 15,462 | 626 |
| John P Leatherman | R&GH | 53 0 | 16,742 | 603 |
| Franklin Troxell | R&GH | 45 7 | 14,981 | 602 |
| Bruce Leatherman | R&GH | 63 2 | 17,013 | 596 |
| Carl & Dale Heisler | RH | 62 4 | 17,426 | 592 |
| Emmett W Rhein | RJ | 68 2 | 12,333 | 583 |
| Paul Heisler | R&GH | 51 1 | 15,147 | 581 |
| Elam Z Stoltzfus | R&GH | 35 3 | 15,493 | 580 |
| Jersey Acres Farms, Inc | RJ | 55 8 | 11,987 | 579 |
| Irvin Hepler, Pitman | R&GH | 34 4 | 15,008 | 577 |
| Marlin L Lesher | RH | 35 0 | 15,451 | 574 |
| Carl W Brown | R&GH | 50 1 | 14,973 | 565 |
| Snyder Brothers | RH | 85 3 | 15 505 | 564 |
| Martin L Daubert | RBS | 35 3 | 13,350 | 555 |
| Melvin E Stoltzfus | R&GH | 36 5 | 15,386 | 546 |
| Henry J Reiner | R&GH | 21 8 | 13,676 | 526 |
| Lester D Moyer | GH | 30 7 | 13,383 | 518 |
| Richard Kreager | R&GH | 35 7 | 12,697 | 497 |
| Kermit Kahler | RG | 44 2 | 10,532 | 497 |
| Kurtz Dairy Farm | R&GMix | 71 4 | 16,444 | 491 |
| Elwood L Rothermel | RH | 47 0 | 12,100 | 477 |
| Raymond Reichwein | R&GH | 25 6 | 12 127 | 446 |

Four owner sampler herds exceeded an average production of 400 pounds butterfat per cow A list of these herd owners follows

| | | | | |
|---|---|---|---|---|
| Brian Ruch | R&GH | 4 7 | 13 121 | 561 |
| Kenneth H Kreager | R&GH | 23 2 | 13 874 | 540 |
| Leon C Hepler | GH | 51 2 | 15,018 | 535 |
| Mountain Breeze Farms | GH | 66 8 | 13 916 | 515 |

High individuals from the past year s reports

**Milk**

| | | | |
|---|---|---|---|
| Bruce Leatherman | | | |
| Lady | 27 855M | 1027F | 11/79 |
| Bruce Leatherman | | | |
| Paul 2 | 27 445M | 693F | |
| John P Leatherman | | | |
| Melle | 25,930M | 826F | 12/79 |
| Carl & Dale Heiser | | | |
| 23 | 25 647M | 873F | 9/80 |
| Miller & Rex | | | |
| Lucy | 25 579M | 1111F | 9/79 |

**Fat**

| | | | |
|---|---|---|---|
| Miller & Rex | | | |
| Lucy | 25,579M | 1111F | 9/79 |
| Bruce Leatherman | | | |
| Lady | 27 855M | 1027F | 11/79 |
| William R Daubert | | | |
| Joann | 23,675M | 982F | 9/80 |
| Miller & Rex | | | |
| Jill | 19,617M | 953F | |
| Bruce Leatherman | | | |
| Juliet | 22,733M | 945F | 10/79 |

To qualify for a certificate, a cow must have produced a minimum of 100,000 pounds milk or 4,000 pounds fat Additional certificates will be awarded annually for each additional 25,000 pounds milk or 1000 pounds fat If a cow leaves the herd after meeting the minimum requirements, a final certificate will be issued

The lifetime production certificates for cows enrolled in the DHIA program are as follows

| | | | |
|---|---|---|---|
| Carl W Brown | | | |
| Lily 23BHS7210 | 8 30 69 | 108,583 | 3,442 |
| William R Daubert | | | |
| Rose539705 | 9 25 68 | 137,317 | 5,384 |
| Peace 521043 | 12/07/67 | 131,690 | 5,472 |
| Felicty 543521 | 1 13 69 | 125,943 | 4 653 |
| Brita 543962 | 4 27 69 | 114,079 | 4 684 |
| Sparkle 548781 | 8 14 69 | 110,513 | 4,770 |
| Shelly 546974 | 8 21 69 | 104,353 | 4,320 |
| Traci 548779 | 6 08 69 | 104,015 | 4,253 |
| Ada 562721 | 10 26 70 | 90,248 | 4,089 |
| Carl A Farm | | | |
| Paula 7881995 | 2-26 71 | 126,897 | 4,989 |
| Edna 7575847 | 4 19 70 | 125,087 | 4,369 |
| Sue 8123613 | 11-21 71 | 112,200 | 4,263 |
| Idol 8208837 | 6 18 72 | 106,781 | 3,758 |
| Feebee 8881086 | 9 02 72 | 102,671 | 3,506 |
| Heisler Brothers | | | |
| Anna 7398834 | 7 19 64 | 151,411 | 6,108 |
| Lucile 7398830 | 3 23 69 | 130,352 | 5,446 |
| Iva 7821153 | 11 01 70 | 109,978 | 4,768 |
| Pauline 8053642 | 9 18 71 | 108,461 | 4,518 |
| Freda 7821149 | 10 05 70 | 105,426 | 4,544 |
| Ida 8164906 | 11 25 71 | 100,516 | 3 978 |
| Sonya 7854761 | 3 24 70 | 96 662 | 4,307 |
| Carl & Dale Heisler | | | |
| 52 7735521 | 6 19 70 | 121,159 | 5,255 |
| 9 7851127 | 10 27 70 | 117,547 | 3,928 |
| 19 8063291 | 12 13 71 | 109 206 | 4,207 |
| 61 7851130 | 10 31 70 | 104,642 | 4,630 |
| 50 7877496 | 12-25 70 | 102,029 | 4 108 |
| Paul Heisler | | | |
| Bertha 23BTS6414 | 12-4 70 | 130,961 | 4,074 |
| Bobbie 23ATL8129 | 9 22 70 | 124,076 | 4,504 |
| Ann 7825358 | 12 09 70 | 105,082 | 3,965 |
| Mercury 23AVZ9448 | 1 26 71 | 97,290 | 4,471 |
| Jersey Acres Farms, Inc | | | |
| Dale 2769165 | 3 05 68 | 108,845 | 4,899 |
| Rosette 2840904 | 7 16 70 | 80,422 | 4,288 |
| Bruce Leatherman | | | |
| Lady 8328419 | 9 15 71 | 143,907 | 5,777 |
| Eclipti 7724130 | 10 14 70 | 117,164 | 4,886 |
| Juliet 8321766 | 8 22 72 | 94,667 | 4 132 |
| John P Leatherman | | | |
| Peg 9340946 | 8 11 70 | 128,516 | 3,924 |
| Ann 7943351 | 7 07 71 | 125,488 | 4,548 |
| Speckle 7733443 | 10 24-70 | 117,550 | 4,053 |
| Edie 7788093 | 1-01-71 | 111,631 | 3,350 |
| Babette 7349318 | 2 26 69 | 110,712 | 4,710 |
| Melle 7943347 | 6 23 71 | 108,032 | 3,745 |
| Daisy 8178266 | 3 02-72 | 103,719 | 3,361 |
| Miller & Rex | | | |
| Cookie 23AGM9390 | 1 31 68 | 210,224 | 8,008 |
| Sugar 23AGM9455 | 8-11-68 | 191,205 | 8,063 |
| Renee 23AGM9811 | 4 04 69 | 156,674 | 6,225 |
| Jean 23AVZ9430 | 12 31-70 | 125,959 | 4,717 |
| Lucy 8551960 | 5 03 72 | 111,406 | 4,661 |
| Dottie 23AZE5475 | 1 08 72 | 105,491 | 3,927 |
| Penny 23BAC9317 | 10 05 72 | 103,378 | 3,719 |
| Jill 8126126 | 3 08 72 | 103,361 | 4,794 |
| Lester D Moyer | | | |
| Amy 23AGM9468 | 8 04 68 | 126,911 | 5,341 |
| Lady 23AGM9580 | 8 12 69 | 115,526 | 4,881 |
| Wilbert Moyer | | | |
| Clara 7121404 | 3 14 68 | 150 308 | 6,535 |
| Alice 7620817 | 7 09 70 | 139,517 | 5,289 |
| Mangie 7212186 | 10 15 68 | 137,183 | 4,850 |
| Suzy 7994105 | 7 14 71 | 122,886 | 3,934 |
| Beulah 7556777 | 12 26 69 | 104 888 | 4,507 |
| Raymond Reichwein | | | |
| Monarch 6207551 | 10 18 64 | 143,472 | 5,048 |
| Ginger 7858423 | 11 12-66 | 115,025 | 4,229 |
| Phylis 6893338 | 10 16 67 | 110,258 | 4,064 |

(Turn to Page C21)


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|---|---|
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| Coal Book | $ 3.95 |
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| | |
|---|---|
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| Chimfex Fire Extinguisher | $ 7.50 |
| Attack for creosote | $ 5.95 |
| Chimgard Stak Thermometer | $ 9.95 |
| Stove Polish | $ 2.95 |
| One Match Fire Starter | $ 2.50 |
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| Stove Polish | $ 1.95 |
| Energy Digest | $ 2.50 |
| NOW $59.00 | $66.70 value* |

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| | |
|---|---|
| Attack for creosote control | $5.95 |
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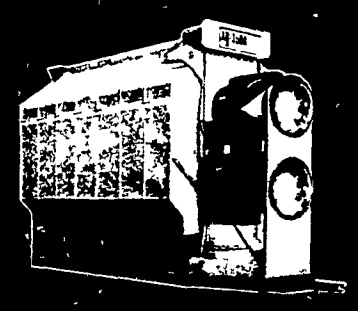
*Entries limited to farm families. One entry per person. Licensed drivers only. Entries close March 31, 1981. Drawing to be held April 15, 1981. Winner picks up his Silverado pickup at his Farm Fans dealer.*



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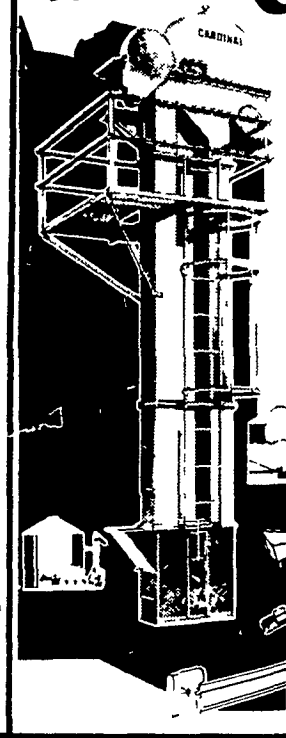


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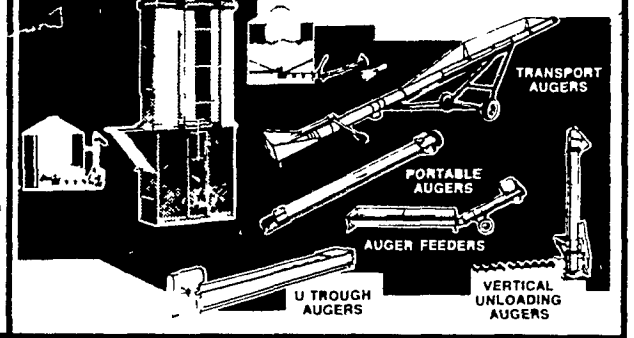


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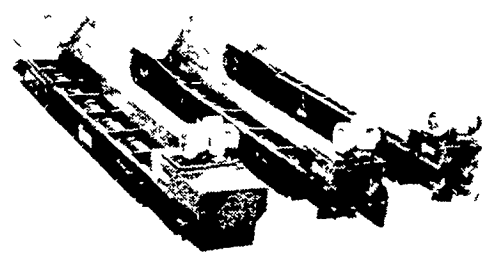

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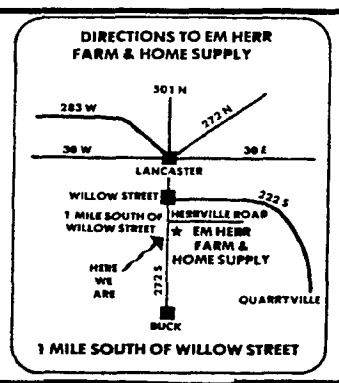

# Manage your holiday dollars

LITITZ — Christmas is the time for giving, but the bills linger on well into the new year

This unnecessary financial burden can be avoided if you plan your purchases wisely, says Delaware extension family living agent Pat Wilson Keep the number of items you purchase to a minimum by making most of your Christmas gifts and decorations yourself

Try buying fewer toys, but look for those that are durable and can serve more than one purpose Children usually only play with a select few of their toys, so they don't need to be showered with new ones each year

How about using a few items that are found around the house to make toys? Younger children usually enjoy homemade toys, and they provide the same mental and physical stimulation as store-bought ones

Make your own Christmas decorations with items you may already have around the house You will be surprised at the attractive conversation pieces you can make yourself. To mention just a few, there is the "macaroni wreath" made from an assortment of macaroni, white glue, cardboard cut in wreath shape, spray paint and a bow, the "bow wreath" made from stick-on bows and cardboard cut in wreath shape; and a Christmas wreath made from tissue paper (or crepe paper) rectangles wrapped around a coat hanger which has been shaped into a circle Contact your local county Extension office for Christmas decoration instructions

For next year, eliminate the end-of-the-year financial burden by buying gifts throughout the year when items are on sale However, be cautious about buying articles of clothing if you feel there's any doubt that the person will be able to wear them the following Christmas Items such as jewelry, neck scarves, neckties, household items and appliances, luggage, games and books are some of the items that can be purchased way ahead of time.

One problem that you may encounter with purchasing early is the storage of the items until Christmas. Perhaps you can work out some arrangement with a friend or relative who has a lot of storage space

Make a real effort to give gifts that a person can use. A gift has little or no value if it is thrown in a closet or tucked away in a drawer Find out what family members and friends want or need before you purchase gifts for them Also make sure that you have the correct sizes of clothing and shoes before purchasing them as gifts Many persons do not like to return items or just find it inconvenient to do so and therefore never get to wear the item.

You can also keep your holiday spending to a minimum if you swap skills. Make a dress for someone who will bake you some holiday goodies. Offer a service instead of a gift Fix someone's leaky faucet or offer to babysit a couple of times for free. There are many such things you can do.

Remember to think and plan before you spend Don't let one day of joy cause a year of suffering. Keep your holiday spending at a level you can handle comfortably

## Schulykill Co. DHIA

(Continued from Page C20)

| | | | |
|---|---|---|---|
| Emmett W Rhein | | | |
| Cowgirl 2726105 | 9 28 67 | 100,774 | 4 558 |
| Ra nblin 2805300 | 10 08 69 | 100 422 | 4,754 |
| Bessie 2844360 | 8 13 70 | 95 309 | 4 389 |
| Gi Gi 2866590 | 4 02 71 | 76 421 | 4 430 |
| Elwood L Rothermel | | | |
| Beauty 6749108 | 10 005 66 | 108,044 | 3,969 |
| Snyder Brothers | | | |
| Lucky 8045080 | 11-29 71 | 106,824 | 3 713 |
| Seqis 7915320 | 4-01 71 | 106,529 | 3,995 |
| Jolly 8045079 | 1-02 72 | 101 778 | 4 003 |
| Connie 8197351 | 2 18 72 | 101,366 | 3,160 |
| Melvin E Stoltzfus | | | |
| Lynnett 23ASW7584 | 11 29 70 | 115,151 | 4 052 |
| Suntrail Dairy Farm | | | |
| Dot 7615105 | 4 08 70 | 136,496 | 5 260 |
| Mary 7947843 | 9 17 71 | 129 634 | 4 721 |
| Edna 7947846 | 10 08 71 | 109 561 | 4 602 |
| Sandyoc OB7897757 | 5 20 71 | 108 672 | 4 599 |
| Orpha 8218706 | 9 11 72 | 103 037 | 4 166 |
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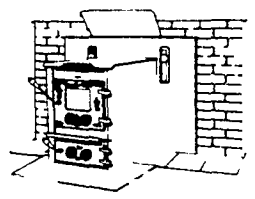

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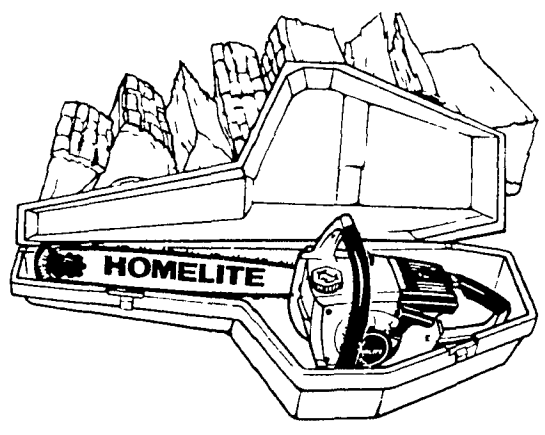


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# Mexicans look to soybeans for protein boost

MEXICO, D.F. — THe Mexican government is working to improve the nutrition levels of the nation's 70 million people.

To help in their effort government leaders often call on the American Soybean Association to provide information and technical assistance in the use of soy protein. Their requests have resulted in benefits to the Mexican consumer through improved diets and to U.S. soybean producers who now have an expanding new market for their crop.

One such request for ASA assistance came in 1977 when Manuel Bernardo Aguirre, Governor of the state of Chihuahua invited Gil Harrison, ASA's Latin American director, to make presentations to community leaders in major towns and cities of his state. Harrison contacted Felipe Suberbie, general manager of Industrial de Alimentos, a Mexico City manufacturer of soy-food products; who, at his own expense, immediately offered to send a sales manager and a cook with Harrison to Chihuahua.

"We gave a total of five presentations to dietitians, nutritionists and doctors and nurses of the Social Security Institute, the Child Protection Institute hospitals and restaurants," says Harrison. "Following the sessions I met with Governor Aguirre and one of his aides. Together we prepared a step by step program for the establishment of a full-fat soy flour plant using a simple U.S.-made extruder and a flour grinding mill.

"In our original planning we were well aware that the market for human consumption of soy foods did not exist and that it would take an educational effort to show people the benefits of soy in their diets," explains Harrison.

"With this in mind, I made all the economic calculations for the plant based on the utilization of the full-fat flour for poultry feed. We felt that as demand for higher-priced human food use increased the plant would show increasing profits and more of the production could be diverted from animal to human food uses.

"Based on the plan we submitted, the governor authorized 6 million pesos to build the plant," says Harrison.

"Poultry producers in the area were willing to purchase the initial production as ASA-sponsored experiments in other areas of the country had shown the advantages of using full-fat soya meal for broilers.

In march of 1978 Mexico's President, Jose Lopez Portillo, demonstrating his interest in state soya projects, personally inaugurated the Chihuahua soybean processing plant. (Recently, he returned to the city to inaugurate a new production line that makes a blend of soya with cows' milk.)

"In the beginning only about five percent of the plant's production went for human consumption as full-fat soya flour, which was sold retail in one kilogram packages to bakers and meat packers," says Harrison.

He proudly points out, however, that today well over 50 percent of the plant's production is devoted to products for human consumption.

"The principal product is a blend of soya flour with 'pinole' (ground, roasted corn with brown sugar) which is distributed in 50-pound bags at very low cost to the Tarahumara Indians in the mountains of Chihuahua," he explains.

"Also a tortilla flour enriched with 8 percent full-fat soya flour, is being sold at a subsidized price to low income groups.

"The development of new soya products to suit Mexican tastes is important too," says Harrison. Recently the Chihuahua plant developed and began marketing a new weaning food called "Soyavena," a soya-oatmeal blend that will greatly improve child nutrition in the area.

"As a result of this initial project, other states in Mexico have also become interested in this plant and are requesting technical assistance from the government," says Harrison.

He points out that although the total soya used is small, amounting to some 130 tons a month, the potential for increased usage is tremendous.

"What counts is that the usage of soya is growing and the potential is very great. The people of Mexico eat 10 million tons of corn and three million tons of wheat each year," he says.

"At a level of only five percent enrichment, the consumption of soya could be elevated considerably in Mexico in the years ahead."

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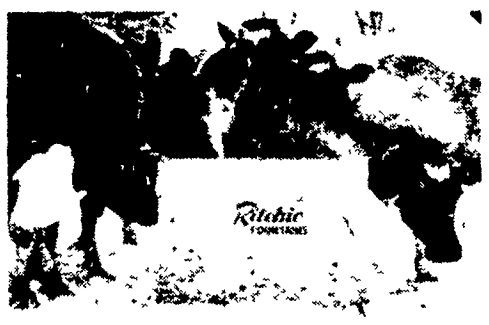


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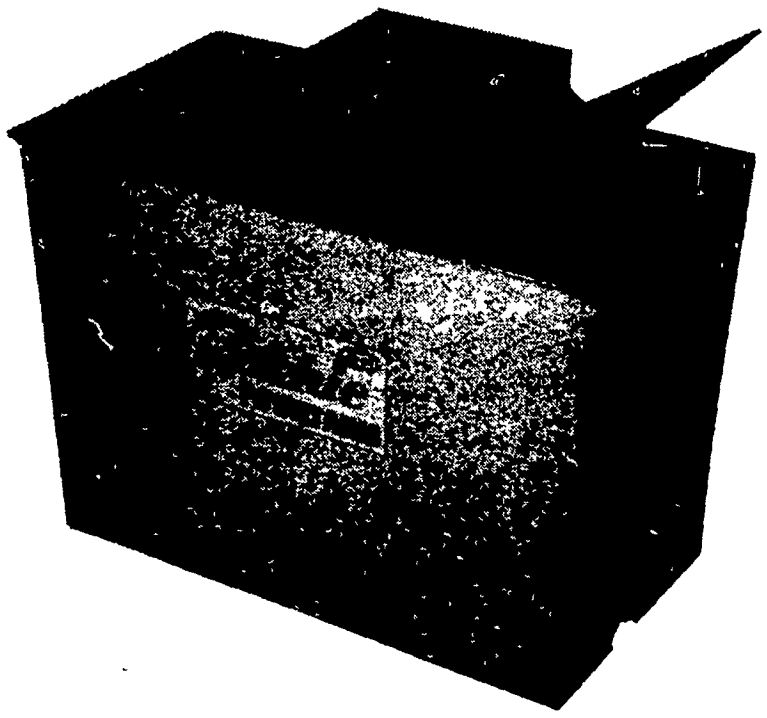

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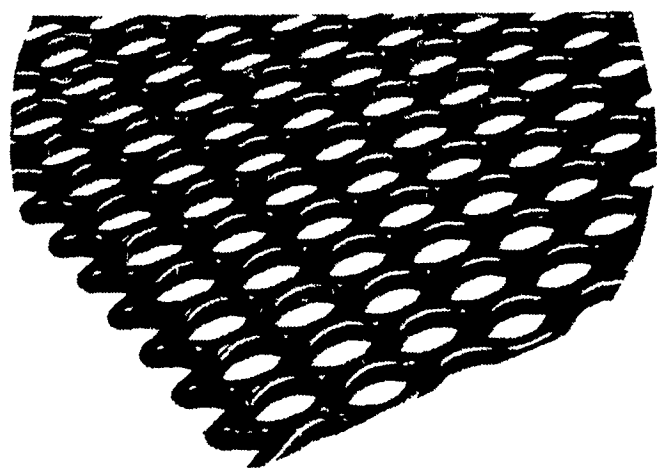

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# Local cattlemen, shepherds, hog breeders pinned at North American

LOUISVILLE, Ky — A number of local livestock producers were rewarded for their quality animals and hard work during the North American International Livestock Exposition, held here recently. Pennsylvania beef cattle breeders, sheep and hog producers exhibited entries that caught the judges' eyes.

In the Open Chianina Show, Galen Driebelbis, Nittany Farms, State College, took second place in percentage bull and female competition. His first red ribbon came with Blue Sky Olivia/1150, a heifer calf born March 6, 1980 And later, in the bull competition, VF Prospector CA/77644, an April 6, 1979 yearling percentage bull placed second

The Reserve Grand Champion bull in the Open Charolais Show was exhibited by owner Walter E. Heistand of Manheim RCC Royal Jaguar, the first place Senior yearling bull was tagged Senior Champion before wearing the Reserve Champion's banner The bull is co-owned with Royal Charolais Company, Greensburg

Royal Charolais dominated the female classes in the Charolais show, with their reserve national grand champion female, RCC Royal Temptress 2927, once again wearing the purple colors on her halter The first place spring yearling heifer was the Senior Champion Female

Royal Charolais also showed the first place senior heifer calf, RCC Royal Tempress 3076, who went on to be tagged Junior Champion Female They took second place with their winter heifer calf entry, RCC Royal Princess 3142, and placed first in the Two Females class

In the bull classes, Royal Charolais took third place in the Senior Calf class with RCC Mr. Expectation 2123, and took the blue in the Two Bulls class. Another blue ribbon was awarded to the western Pennsylvania farm for their Pair of Calves entry Royal placed second in Produce of Dam, Get-of-Sire, and Group of Five Head

Another Keystone State Charolais breeder brought home honors from Kansas City J C. Enterprises, Ringgold, exhibited the Calf Champion, Riverwood Jupiter 2509. The September, 1979 bull was picked as the top Senior Bull calf during the competition. J C. Enterprises also showed the first place spring yearling bull, J.C Justice

The J C. Enterprises ribbons weren't limited to the bull competition. Their junior heifer calf, JC Empress, and their small yearling heifer, Riverwood Jane 819, each took second place in their respective classes And the J.C Enterprises spring yearling heifer, J C Della 912, placed third Their Pair of Calves entry ranked second to Royal Charolais.

The Polled Hereford competition also found Pennsylvania exhibitors in the money

The Reserve Grand Champion Bull honors went to Y-Not Farm & 4K Cattle Co , Smicksburg Their July 26, 1979 yearling bull, Walking Tall, strode to the top of his class and on to the Junior Champion honors before taking the Reserve Grand banner

Y-Not Farm & 4K Cattle Co. took a red ribbon with this year's January bull calf, Enticer

Falkland Farms, Schellsburg, brought home a number of ribbons from the Kentucky show They exhibited the Reserve Junior Champion bull, FLF Enforcer 9031 and took a first and a second in the bull competition with FLF Enforcer 9014 and Mohican TP Macho, respectively. In the Get-of-Sire and Calf-Get-of-Sire competition, Falkland Farms took third place, and they took second in Best Six Head.

Together with Graystone Farm, Whip-O-Will Farm, and Otha Grimes, Falkland Farms also exhibitied the Senior Champion, a two-year-old

Another Pennsylvania Polled Hereford breeder, Stockdale Hereford Farm, Dayton, placed second with their yearling bull, DS Banner Beef

In the Polled Hereford Female competition, Falkland Farms was a strong contender FLF Forcette 9002, calved January 1979, walked to the top of the line in her class and went on to be tagged Senior Champion A red ribbon was pinned on FLF Forcette 8216, calved December 7, 1978 Two third place ribbons were awarded to FLF Forcette 0930, a March 1980 heifer, and FLF Forcette 9162, a last year's May calf.

One more Pennsylvania breeder brought home honors from the Polled Hereford show. Five Point Pastures, Greensburg, placed first with their March, 1979 heifer, FPP Vindi Kate 46L

In the sheep competition, most of the Pennsylvania exhibitors that achieved top honors were Juniors However, Calvert Farm of Spragg took third place in the Open Cheviot Show with their yearling ewe entry.

Three Lancaster County Juniors captured a number of trophies and ribbons with their sheep entries

In the Junior Hampshire Show, Sarah Lynn Brubaker, Lancaster, took second place with both her yearling and senior ewe entries. Gerald W Rohrer, of Quarryville, also received a red ribbon for his junior Southdown ewe

Barbara Herr, Narvon, exhibited the Champion Ram during the Junior Dorset Show. The champ was her first place senior ram In the ewe competition, Herr's entries in the Senior Ewe and Junior Ewe classes placed third and second respectively

In the Junior Market Lamb contest, Herr placed second in her class and exhibited the first place Southdown wether.

In the Junior Suffolk Show, J-T Ranch, Dallastown, placed third in their Senior Ram class

In the Barrow Show at the North American, the Strawbridges of Stewartstown showed their crossbreds to top honors Mrs. J.C Strawbridge took a first, second and third with her Hampshire crosses, while Strawbridge & McCleary showed their Hampshire crossbreds to two blue ribbons Mrs. J.C. Strawbridge also exhibited a third place Duroc crossbred barrow.

And, last but not least, Daryl Sheiss, Chambersburg, placed third with his Duroc crossbred barrow during stiff competition at the North American International Livestock Exposition

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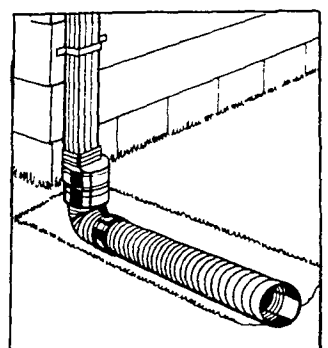

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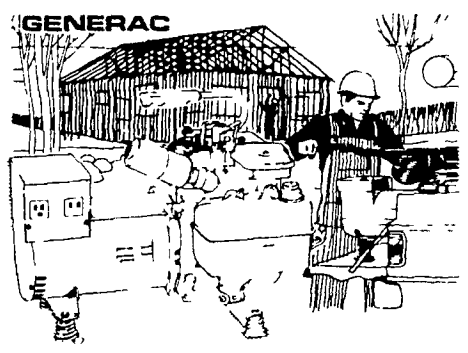


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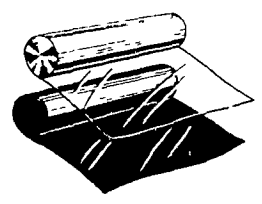

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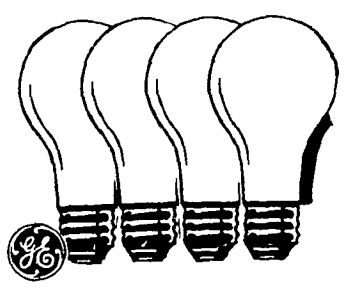

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# Charolais sale average up by $2184

KANSAS CITY, Mo — The Charolais Sale II was held recently here at the Royal Sale Center, American Royal Show Grounds The slightly over 32 lots of Charolais cattle sold averaged $6247 under the auctioneer's gavel of Stanley Stout, Linwood, Kansas, an increase of 54 percent over last year's sale.

The first bull in the ring, a Riverwood Farms consignment from Powell, Ohio, was Riverwood Kappa 100 Polled M214154, born January 3, 1980 Kappa's sire was Riverwood Elevation 44 M166047 and his dam was WC Lady Victoria 118 F125830. Triple H Ranch, Sauk Rapids, Minnesota, and Double H Ranch, Paynesville, Minnesota, paid $15,750 for three-quarter's interest in the bull.

HCR Polled Spirit 0052, born March 19, 1980, was the next bull in the ring The Hubert Polled Charolais Ranch, Richards, Missouri, consignment was sired by the 1978 National Grand Champion Bull, HCR Expectation 269, Polled, M185396, out of Miss Uranium 928, Polled, VPF101628 The one-eighth syndicated interest offered in this calf registered an impressive $15,000, with the final bid being placed by Paramont Ranches, Abingdon, Virginia.

Third bull in the ring was RCC Royal Reality 3026 M211639, born June 18, 1979 Consignor was Royal Charolais Company, Youngwood, Pennsylvania and Hill 'N' Dale Farm, Berryville, Virginia Another HCR Expectation 269 calf, Reality was out of BLF Miss Legros F266106, a National Grand Champion Female One-half interest in this bull was sold for $7000 to Reginald and Bill Henry, Westhope, North Dakota.

The bull sale average came to $27,455 for the 1 375 lots sold, totalling $37,750.

The female portion of the sale moved along, with the 28 lots of females averaging $5077.

WC General's Lady 5046 F260817, born April 2, 1975, was the first female in the ring. Her sire was Hall of Excellence Sire, L H General Lee 420 M118917 and her dam was WC Lady Victoria 317 F183469

Also offered at WC General's Lady's side was a bull calf sired by ABC Iceman 811, the 1980 World Grand Champion The bull calf was born September 28, 1980. Consignor was Wesson Charolais, Inc., Koshkonong, Missouri.

This package brought $10,000 and was purchased by Windy Hills Farm, Commerce, Georgia; Sam Ray, Easley, South Carolina, and Leroy Webb of Eagle, South Carolina. The cow will be put into transplant.

The daughter of WC General's Lady, WC Miss Ceres 9064, born September 12, 1979, sold for $3250 to 21 Ranch, Chickasha, Oklahoma, and Gentry's Double Hook Ranch, Nebraska.

Bred heifers averaged $4850, with DBL Hook Ms Courage 8334 F339726, from Gentry's Double Hook Ranch and Miller Farm, Whitman, Nebraska, topping his division at $13,750 — thus becoming the top selling female in THE Charolais Sale II. She was purchased by Char-Will Ranch, Erskine, Alberta, Canada Her sire was Courage 423 (ROE Sire) M163220 and her dam was Miss Johnny Cake A50 F45826.

Nine open heifers averaged $4088.

Riverwood Farms consignment, Riverwood Patsy 519, sold for $7000, to top this category Born August 2, 1979, her sire was Riverwood Elevation 44 (ROE) M166047, and her dam was ACR Miss Avignon 924 F156984 The buyer was Ron Shada, Martelle, Iowa

Transplants were offered in THE Charolais Sale II for the first time Two bull calf transplants and two heifer calf transplants — as yet unborn — were offered The 3¼ lots averaged $7354, totalling $23,900.

The seller, Shallow Creek Charolais, Fort Sumner, New Mexico, offered a 3/4th interest in a full brother to SCC Perfect Courage 803, the 1979 American Royal Grand Champion Bull, topping the transplant offerings at $10,000. This bull calf transplant was purchased by Dr James L Smith, Little Rock, Arkansas, and Malcolm Commer, Fairfield Plantation, Jonestown, Mississippi.

THE Charolais Sale II, managed by Buzz Garey, Garey Cattle Sales Inc., was held in cooperation with the Missouri Charolais Breeders Association Stanley M. Bonacker, president; Steven Swanson, vice-president; Mary Bonacker, secretary-treasurer. Also, Steven Swanson was sale committee chairman, and Frank Wesson was coordinator of American Royal Activities.

Thirty-four buyers from twenty-one states, and five from the province of Alberta, Canada, competed for 32 625 lots

# *Conferences to focus on small farmers*

DOVER, Del — There will be a Small Farmer *Management Conference* in Kent County at Delaware State College on December 16, 1980 and are in Sussex County December 17, 1980

The Kent County meeting will be held in the Ag & Natural Resources Building at the rear of the Delaware State Campus. The Sussex County meeting will be held at the University Substation in Georgetown.

The program for small farmers in Kent County will include several topics and periods for questions and answers

7:00 p.m Update on the Small Farmer Program. Dr Adams and ASCS Representative

7:30 Goat Production. Dr George Haenlein, Extension *Dairy Specialist*

8:00 Drip Irrigation for Small Commercial Vegetable Growers, Ed Kee, County Agent, Kent County.

8 30 Justifying Farm Purchases, Dave Woodward, County Agent, Kent County.

9 00 Forestry Data Collection, Results and Management Program for Small Woodland Owners, State Forester.

9 30 Questions and Answer Period

For further information, call 302/736-1448 or 302/736-5205.

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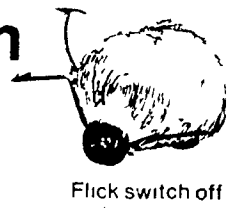

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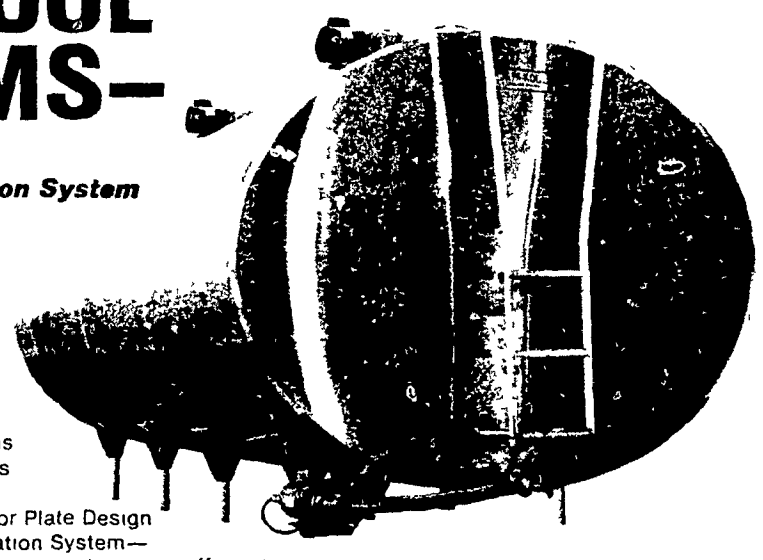

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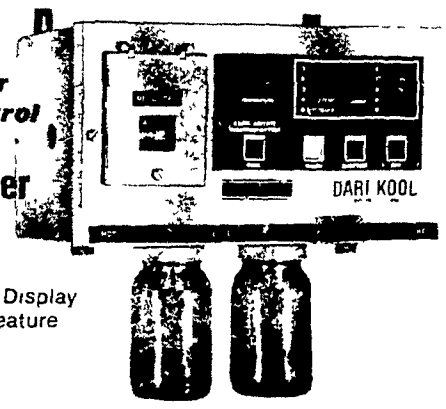


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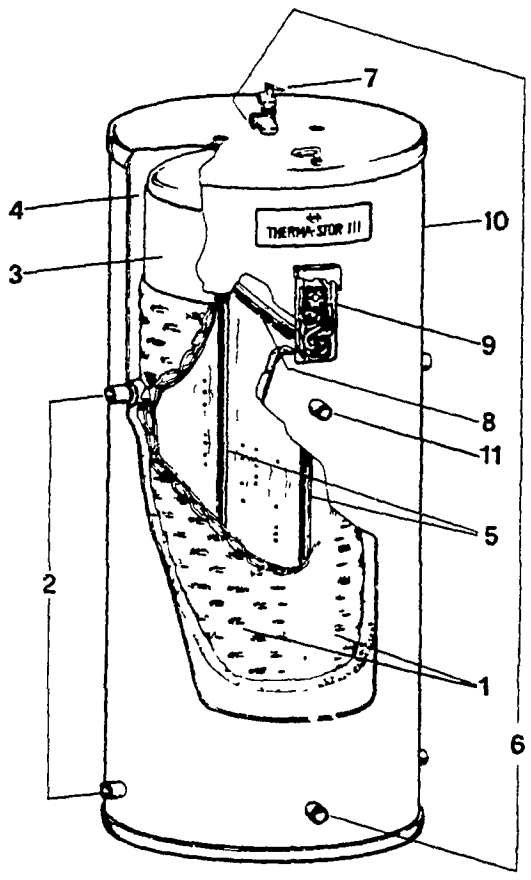


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# How to save hogs from TGE

LITITZ — When the object of the game is to win, prior planning and good management of resources are two of the best possible moves. When dealing with transmissible gastroenterities (TGE), those are just about the only moves possible.

"TGE is a killer," says Hal Sinclair, Manager of Technical Services at Diamond Laboratories, Inc. "It kills both pigs and profits. There simply is no effective treatment once a pig has been infected. Survival rate improves with the age of the pig, but mortality approaches 100 percent in baby pigs during the first seven to 10 days of life."

ment of the TGE virus available, prior planning and sound management become all-important in keeping the disease out of a swine herd.

"At a very minimum, three maj r areas should be considered when planning a comprehensive management program to win against TGE," suggests Sinclair.

"Basic to the program is understanding TGE and other diseases which may affect a herd. A part of that should include developing a good working relationship with the veterinarian who will be assisting should a problem arise," advises Sinclair

That understanding and relationship will lay the groundwork for the other portions of the management program

"The next two areas are critical," explains Sinclair "A systematic approach must be taken to curtail movement of the TGE virus into an operation To complement this effort, a routine program of immunization should also be adopted"

TGE is difficult to diagnose accurately unless a complete history of the animal is known or the virus has been isolated from infected pigs Says Sinclair, "It is usually only after the herd is experiencing severe death losses that the disease is recognized as anything other than a 'hot' case of scours

'It's easy to mistake TGE for bacterial or dietary scours Early consultation with a veterinarian will either confirm the worst or allow quick treatment of another problem."

The onset of TGE in very young pigs is usually rapid and characterized by vomiting, profuse watery diarrhea and dehydration. Sows may exhibit similar symptoms Acutely infected sows may have recently farrowed may also show additional signs of anorexia, slight fever and diminished or stopped milk flow. Feeder pigs may develop profuse watery diarrhea and lose weight

Curtailing all movement of the TGE virus is virtually impossible, but there are a number of things which can be done to make entrance of the disease into an operation more difficult.

"When considering methods of keeping TGE out of a swine herd, approach the problem systematically," suggests Sinclair. "TGE can be spread at any time of the year, but it thrives during cold weather and extra attention during that time is well advised."

"Restricting access is basic to curtailing movement of the virus into a herd Birds, dogs, rodents and other animals are known carriers of the virus Controlling their access to swine feeding areas and other facilities is a major consideration.

"Likewise," continues Sinclair, "anyone entering a hog operation should be considered suspect and a possible transporter of the virus TGE can be introduced on hands, feet, clothing, even by a cough; so the best rule to follow, is one of exclusion of everyone except essential personnel. Rigorous sanitation procedures should be developed at each operation and followed completely by anyone entering swine facilities"

But, keep in mind that the TGE virus is extremely contagious, and even the very best management practices can't always stop it.

To complement efforts to curtail movement of the TGE virus, many pork producers have made a TGE immunization program part of their management routine. Many producers consider vaccinating pregnant sows with a vaccine like TGE-Vac C to be inexpensive insurance.

"An ongoing immunization program is essential," says Sinclair. "Even hogs that have once had TGE are not always immune to the disease"

Likening the disease to a head cold in its ability to develop immunity, Sinclair notes, "TGE is localized to a particular part of the body — the gut — and because of the localized nature, it creates only temporary immunity. Systemic diseases which run through the entire body, on the other hand, allow the body to develop longer immunity."

Vaccinating each sow prior to farrowing costs less than 60 cents per baby pig from an average-sized litter. "That's a small price to pay to prevent diseases that can cause loss of an entire pig crop," Sinclair says.

The vaccine offers the advantages of positive dose accuracy, says Sinclair. "It is administered through two intramuscular injections given at one month intervals, with the second injection recommended from seven to 30 days to farrowing

This assures that the sow is getting the proper vaccine dosage, and sows don't have to be taken off feed or vaccines mixed with special feed or milk."

Once the sow is immunized, that immunization is passed on to suckling pigs through the sow's milk. "But it is important to remember," cautions Sinclair, "that this immunity is only temporary and a regular pre-farrowing immunization program should be incorporated into any management plan.

"In major hog producing areas, winter death losses of baby pigs to TGE run two to four percent. The only real solution for trimming the resulting $4 million to $5 million yearly loss is prior planning and sound management, achieved through understanding the disease, thwarting its movement and immunizing against it," Sinclair concludes.

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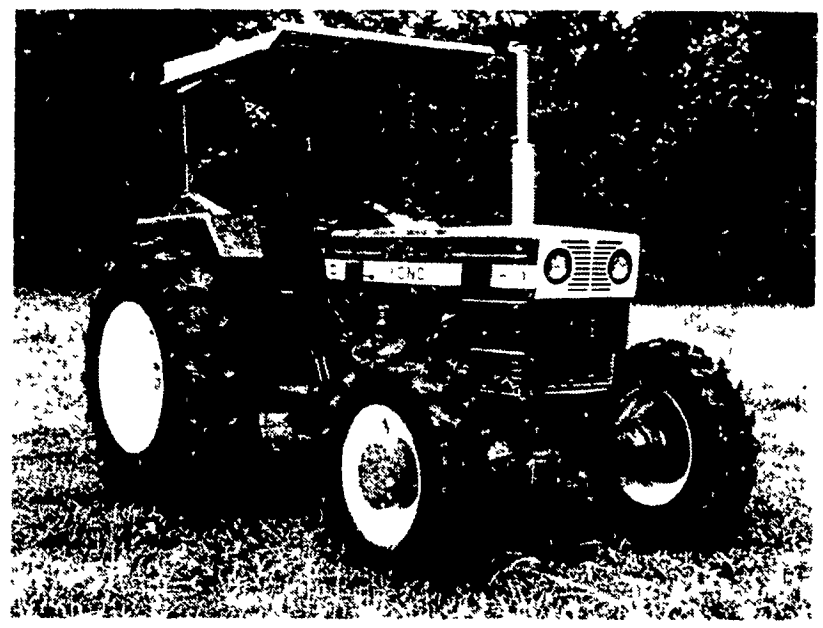

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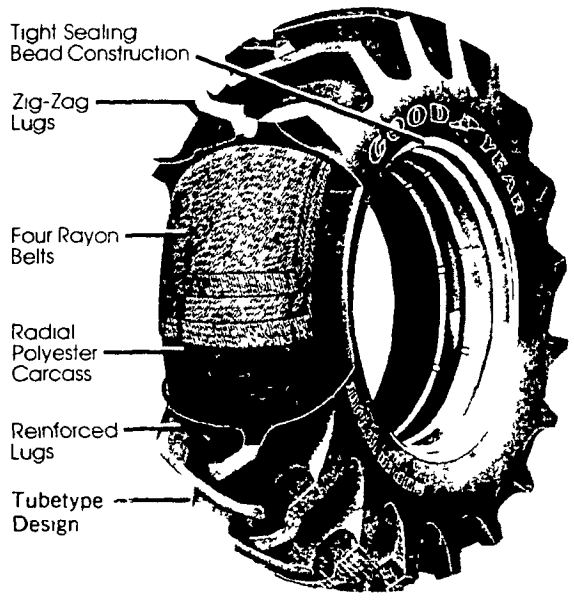


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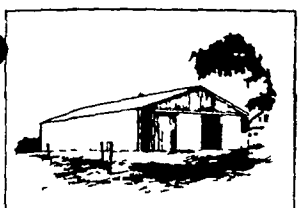
# USDA seeks to tighten rules on imported wool

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LANCASTER — Stricter regulations concerning manure-contaminated wool imported into the United States have been proposed by the U S. Department of Agriculture to prevent the risk of introducing foreign animal disease.

In the past, wool taken from live animals could be imported without restrictions, providing it was "reasonably" free of manure. This may result in the importation of wool that is contaminated

Contaminated shipments present a large risk of introducing harmful animal diseases such as foot-and-mouth disease, rinderpest and anthrex into the United States

Since wool has an oily, greasy texture, it is more susceptible to manure contamination than other animal products. To reduce this contamination, only manure-free wool taken from animals that have been slaughtered and wool taken from the upper part of live animaals-also referred to as full skirted-would be allowed to be imported.

According to Pierre Chaloux, deputy administrator for the USDA's Animal and Plant Health Inspection Service, "wool taken from the animal's upper body would tend to be free of manure and therefore reduce the risk of animal disease transmission.

"These restrictions will cause only minimal interference with international trade," he added "This will help keep foreign diseases from infecting our livestock"

Wool which is imported into the United States would be accompanied by a certificate issued by the government of the country of origin If would certify that the wool was full skirted if from live animals or free of manure if from animals that have been slaughtered Inspection would be made at three U.S ports of entry to determine compliance with this regulation

Written comments on this proposal should be addressed to the Deputy Administrator, USDA, APHIS, VS, Federal Building, Room 815, 6505 Belcrest Road, Hyattsville, Md. 20782

The proposal was published in the November 26 Federal Register

# N.Y. livestock dealer ordered to stop violations

CHERRY CREEK, N.Y. — Langless Brothers Auction Market, Inc., Cherry Creek, N.Y, has been ordered by the U.S Department of Agriculture to stop violating bonding requirements of the Packers and Stockyards Act

The firm, registered with USDA as a dealer to by and sell livestock and a market agency to sell livestock, operates in New York.

Administrative Law Judge William Weber ordered Langless Brothers to stop operating without filing a reasonable bond to secure its livestock obligations. Although the firm now has an adequate bond and may operate, the cease and desist order, like a permanent injunction, remains in full force because the firm is still under order not to violate the bonding requirements of the P&S Act

James L Smith, P&S official, said the firm consented to the order, waived its right to an oral hearing and neither admitted nor denied the charges in a USDA administrative complaint.

The P&S Act is a fair trade practices law administered by USDA's Agricultural Marketing Service. It promotes fair and open competition in the marketing of livestock, meat and poultry.


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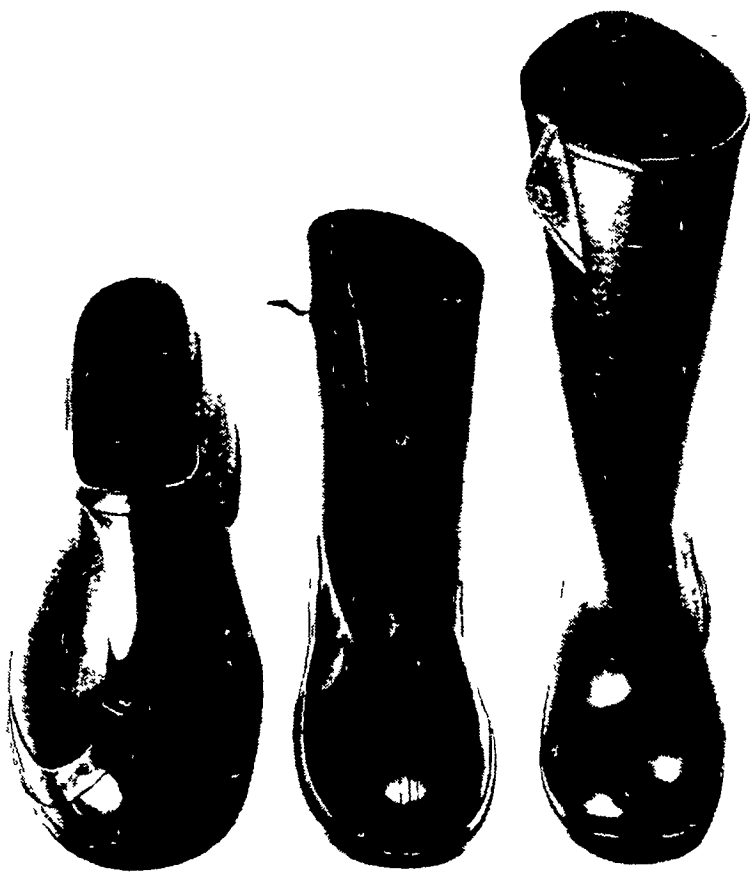

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## Prices probably will rise, too

# Higher poultry production likely in 1981

LITITZ — Total egg production for 1981 may decrease, as producers continue adjusting output to achieve a positive net return. Broiler and turkey production will expand in 1981 in response to higher prices and less competition from other meats

Poultry prices should be up sharply from this year's second-quarter lows, but record feed costs may hold profits near break-even levels at least through the first half of the year.

Egg production in 1980 will about equal a year earlier, the increase having occurred in the first quarter. Output in the fourth quarter may be near a year earlier, and indications point to a one percent decline in the first half of 1981.

The table egg flock is below year-earlier levels and, until well into 1981, fewer replacement pullets will be available Because a high percentage of the flock has already been force-molted, producers are expected to increase culling if egg prices do not keep up with rising costs

Egg prices were down sharply in the second quarter but have since increased - mainly in response to production cuts from a year earlier. Cartoned New York large eggs in July-September averaged 70 cents a dozen, five cents above last year Prices have increased this fall and will continue strong in early 1981 before declining seasonally in the spring.

Prices may average in the high 70-cent range in the first quarter but then decline to the mid-70's in the spring.

In the second half of 1981, if production is held at this year's level, prices can be expected to average 78 to 82 cents a dozen

Output of federally inspected broiler meat for 1980 will total a little over 11 billion pounds, ready-to-cook weight, up two percent from last year Output should continue expanding in 1981, perhaps around six percent.

Production costs will be higher than in 1980, but strong red meat prices will likely keep broiler production profitable, particularly in the second half of the year.

Broiler prices have declined from the high summer levels but remain above last year. The nine-city wholesale price for the fourth quarter may be about nine cents more than last year's average of 42 cents a pound. Prices may average in the low 50-cent range in the first quarter of 1981 and then rise slightly as demand increases seasonally next spring and summer.

Turkey production for 1980 will be up about 6 percent from 1979, even though average weights have been lower. Producers' returns have improved during the last half of 1980, resulting in increased hatchery activity. Therefore output during the first half of 1981 may exceed 1980 by eight percent

Production will probably continue to expand in the second half, but the rate of increase will likely drop to near five percent.

Turkey prices increased during the second half of 1980.

Young hen turkeys in New York are expected to average around 70 cents a pound during the first half of next year, compared with 57 cents this year. Like broiler prices, turkey prices should benefit from reduced supplies of competing meats and improved economic conditions in the second half of 1981.

Thus, second-half turkey prices may run one to four cents above this year's level, even with expanded output

# Nat'l Charolais Queen hails from Indiana

KANSAS CITY, Mo. — A vivacious and sophisticated nineteen year old freshman at Purdue University, Holly Rookstool, of Warsaw, Indiana, was selected by five judges, as Miss Charolais USA 1981, during special activities in conjunction with the 82nd Annual American Royal Livestock Show, and the AICA Area 6 Roll of Excellence Charolais Show, in Kansas City, Missouri, recently

Rookstool, the daughter of Everett and Lillie Rookstool, is majoring in agricultural economics. After nine years in 4-H, Holly became the first girl in her local FFA chapter and the first female president. She has been very active in the Indiana and Ohio Valley Junior Charolais Associations, and has attended the last five conferences and shows, including the most recent one, this past summer in Missouri.

Lois Smith, Miss Charolais USA 1980, from Sugar Tree Ranch, Allendale, Illinois, crowned the new Miss Charolais USA 1981, who was sponsored by the Indiana Charolais Association and Ohio Valley Charolais Association

Fifteen girls representing thirteen different states took part in this competition, which is annually sponsored by the Missouri Charolais Breeders Association

The young ladies were judged on their poise, personality, appearance and knowledge of Charolais cattle. Five judges had the task of meeting with each candidae on an informal basis and, also, in private interviews.

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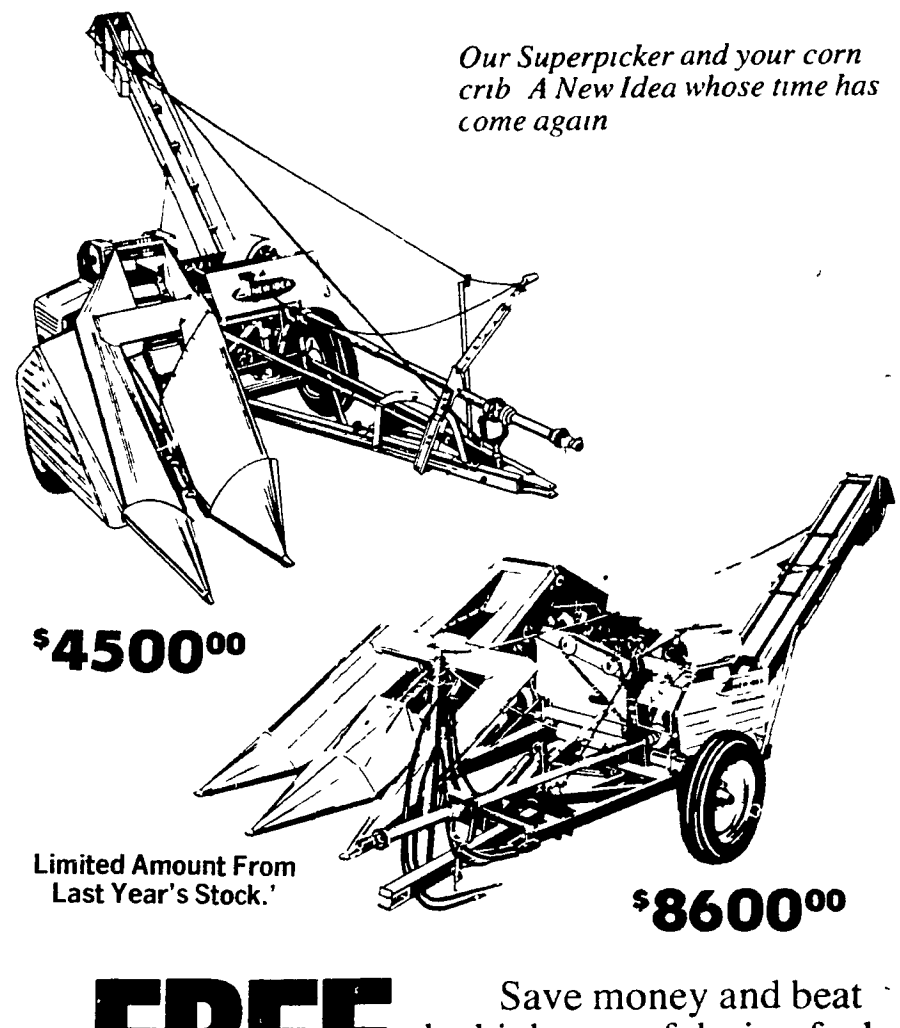

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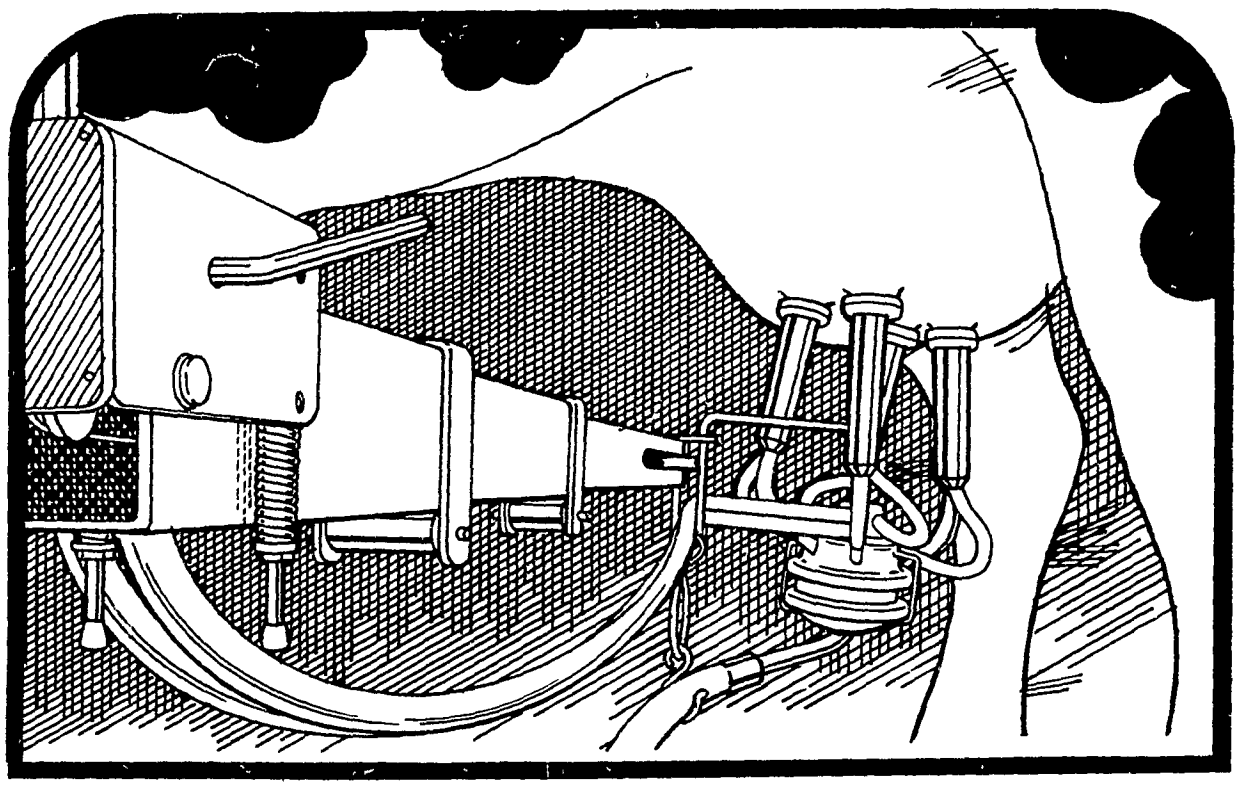

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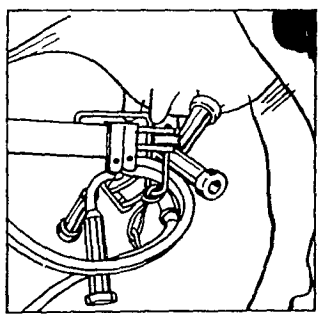

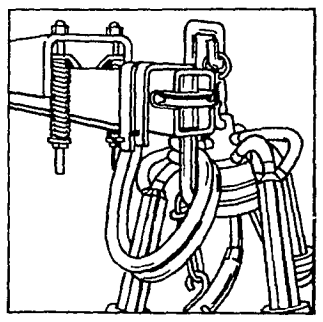

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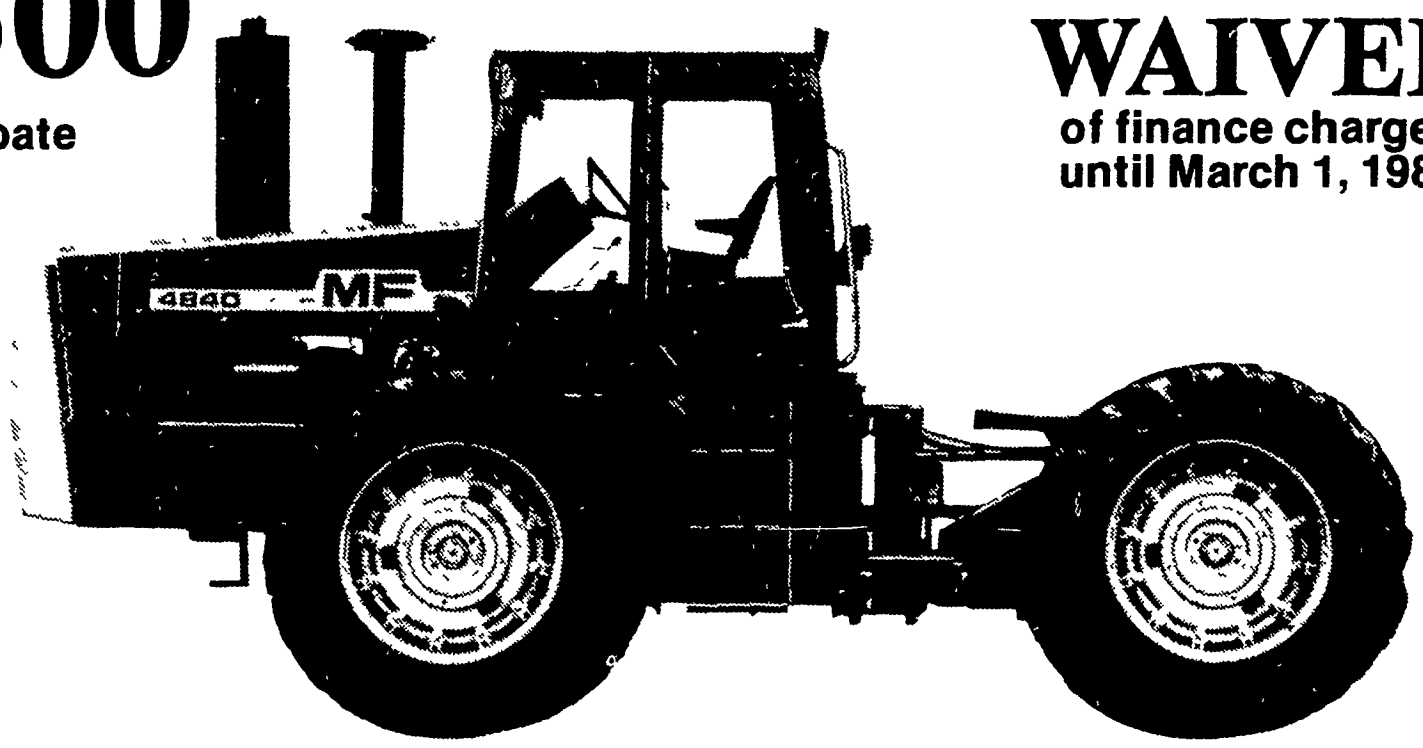


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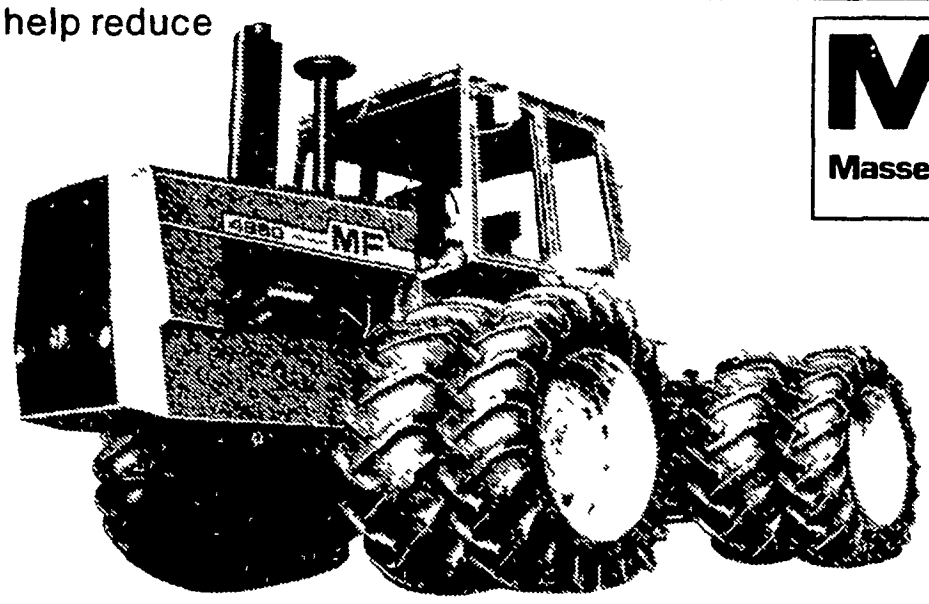


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# Bradford County DHIA Monthly Report

**October 1980**

The following herds had an average fat production of 1 50 pound Herds with fewer than 10 cows are not included

| NAME | BRD | NO COWS | % COW DAYS IN MILK | LBS MILK | LBS FAT |
|---|---|---|---|---|---|
| Scott Moore | 00 | 81 0 | 134 3 | | |
| Donald E Harkness | 3 | 49 4 | 84 9 | 53 6 | 2 26 |
| H & V Harkness | 00 | 65 0 | 121 8 | | |
| H W Russell & Sons | B3 | 46 0 | 92 0 | 52 8 | 2 09 |
| Scott & Lynn Cook | 00 | 47 9 | 109 3 | | |
| George M Shell | 3 | 34 3 | 92 7 | 47 4 | 2 04 |
| Leona Holsteins | 3 | 44 8 | 95 3 | 53 1 | 2 04 |
| H W Russell & Sons | B3 | 45 0 | 90 4 | 56 6 | 2 02 |
| Stuart Wrisley | B3 | 47 9 | 90 1 | 51 7 | 2 02 |
| Douglas Graybill | 3 | 33 1 | 90 4 | 52 5 | 2 01 |
| Robert Taylor | B3 | 46 1 | 83 4 | 51 8 | 2 00 |
| Y Run Dairy Farms | 3 | 90 4 | 90 3 | 51 7 | 1 98 |
| Glen & Arlen Landis | 3 | 75 0 | 93 4 | 53 5 | 1 96 |
| Russel L Jones | 3 | 65 9 | 82 7 | 52 6 | 1 95 |
| George M Shell | 3 | 34 1 | 82 0 | 45 4 | 1 95 |
| Windham Valley Farm | B3 | 42 6 | 85 5 | 49 1 | 1 93 |
| Lynn & Bonnie Miller | 3 | 49 2 | 82 0 | 47 0 | 1 92 |
| Ron Lin Farms | B3 | 34 7 | 90 4 | 49 0 | 1 92 |
| Roy Watson Farm 1 | 4 | 70 0 | 89 6 | 36 0 | 1 91 |
| John Kolesar Jr | B3 | 44 0 | 96 8 | 47 5 | 1 91 |
| Walter G Wheaton | B8 | 54 1 | 90 1 | 50 9 | 1 91 |
| Lynn & Bonnie Miller | 3 | 48 8 | 83 0 | 50 5 | 1 90 |
| Douglas Graybill | 3 | 33 7 | 85 5 | 52 3 | 1 88 |
| Ford Ridge Farm | B3 | 32 5 | 84 5 | 47 8 | 1 87 |
| Braund Valley Farms | B3 | 76 6 | 93 1 | 47 6 | 1 87 |
| Ken Walters & Sons | G3 | 81 1 | 92 8 | 45 2 | 1 87 |
| Robert H Whipple | 3 | 61 2 | 92 0 | 45 7 | 1 85 |
| East Knoll Farm | 3 | 49 0 | 85 5 | 49 6 | 1 84 |
| Lewis & Lois Alderson | B3 | 29 0 | 94 6 | 48 0 | 1 84 |
| Wilcox Bros | 2 | 85 1 | 90 0 | 37 3 | 1 82 |
| C & K Crain | 3 | 37 2 | 85 3 | 44 8 | 1 82 |
| Abraham S Derstine | 3 | 60 2 | 89 7 | 51 3 | 1 82 |
| Robert E Robinson | B3 | 18 9 | 97 7 | 52 1 | 1 82 |
| Pet Roypa Farm | B3 | 38 3 | 88 5 | 48 9 | 1 82 |
| Dale Mattocks | 3 | 69 9 | 89 5 | 46 2 | 1 81 |
| Archie L Williams | 3 | 97 5 | 81 8 | 48 8 | 1 81 |
| Richard H Packard | 3 | 50 6 | 86 3 | 47 4 | 1 81 |
| Tom & Diane Elliott | B3 | 38 1 | 90 7 | 47 6 | 1 81 |
| David & Joyce Egge | B3 | 46 8 | 95 6 | 46 0 | 1 80 |
| Peck Hill Farms | B3 | 87 8 | 94 1 | 49 0 | 1 80 |
| Halstead Bros | B3 | 46 6 | 90 9 | 44 9 | 1 80 |
| Duane & Patty Cole | B3 | 36 0 | 81 8 | 45 8 | 1 80 |
| Jay & Faye Good | G3 | 41 0 | 99 2 | 47 1 | 1 79 |
| Latini Brothers | B3 | 89 9 | 91 2 | 46 2 | 1 78 |
| B & S Hollenback | B3 | 35 0 | 83 3 | 45 5 | 1 78 |
| Earl J Gamble | B3 | 37 9 | 92 1 | 44 1 | 1 78 |
| Ponder Hill Farms | 3 | 61 0 | 89 8 | 48 5 | 1 78 |
| Mrs Mark Schucker Jr | 3 | 37 2 | 86 6 | 46 4 | 1 77 |
| Gary Rockwell | 3 | 50 2 | 91 0 | 45 4 | 1 76 |
| C & M Elliott | B3 | 50 2 | 96 5 | 44 9 | 1 76 |
| G & N Johnson | B3 | 85 2 | 84 9 | 42 6 | 1 76 |
| Leonard Robert Cole | B3 | 58 0 | 84 5 | 45 7 | 1 75 |
| Cragle Knolls | B3 | 41 8 | 88 9 | 42 7 | 1 75 |
| John Kolesar Jr | B3 | 44 0 | 96 0 | 44 2 | 1 73 |
| Keith Felter | G3 | 37 0 | 91 3 | 46 3 | 1 73 |
| F S & F W Furman | B8 | 52 7 | 92 8 | 44 7 | 1 73 |
| Calvin Watson Fm 2 | 4 | 50 4 | 90 0 | 34 4 | 1 73 |
| R Champluvier & Son | 3 | 60 4 | 85 0 | 42 6 | 1 72 |
| Pinetop Farm | 3 | 64 4 | 88 9 | 44 2 | 1 72 |
| R Allen Rightmire | 3 | 47 6 | 94 5 | 43 9 | 1 72 |
| Gary Rockwell | 3 | 49 6 | 90 7 | 46 2 | 1 71 |
| Richard Jenkins | 3 | 63 6 | 82 3 | 44 2 | 1 71 |
| William Brown | 3 | 30 7 | 67 3 | 41 9 | 1 70 |
| Stanley Saxton | 3 | 68 8 | 85 3 | 43 9 | 1 70 |
| Ben Jackson | 3 | 48 2 | 91 9 | 43 0 | 1 70 |
| Richard Bristol | B3 | 37 2 | 87 6 | 40 3 | 1 70 |
| Lazzell Watkins | B3 | 64 3 | 94 3 | 47 0 | 1 70 |
| Davis Brothers | 3 | 63 7 | 91 0 | 42 2 | 1 70 |
| Gene Miller | B3 | 81 9 | 87 5 | 41 4 | 1 69 |
| Vernon & Robt Allis | B3 | 47 0 | 72 7 | 40 3 | 1 68 |
| Milford Kinsman & Son | 3 | 88 5 | 83 8 | 43 2 | 1 68 |
| Paul D McCoy | B3 | 63 4 | 80 3 | 45 6 | 1 68 |
| Matt Will | B8 | 66 3 | 86 7 | 45 8 | 1 68 |
| Milton Sherman | B8 | 36 9 | 90 2 | 43 8 | 1 68 |
| Jerry Pruyne | B3 | 62 3 | 93 0 | 41 2 | 1 68 |
| Richard Jenkins | 3 | 63 0 | 82 1 | 41 8 | 1 67 |
| William Eick | 4 | 63 0 | 86 0 | 34 4 | 1 67 |
| Arthur D Wolf | B3 | 62 1 | 86 1 | 44 3 | 1 67 |
| Donald Jennings Sr | B3 | 32 0 | 85 1 | 44 3 | 1 66 |
| Mapoval Farms Inc | 3 | 84 0 | 82 5 | 43 4 | 1 65 |
| Wm S Davis Jr | B3 | 54 6 | 98 9 | 47 1 | 1 65 |
| Gene & Jody McMurray | B3 | 53 0 | 91 5 | 50 5 | 1 65 |
| Rodney Babcock | B3 | 79 5 | 80 8 | 47 4 | 1 65 |
| Lewstone Farms | G3 | 56 2 | 85 1 | 41 8 | 1 65 |
| Fivebrooks Farm | B3 | 70 2 | 83 5 | 42 3 | 1 64 |
| Donald Jennings Jr | B3 | 98 6 | 86 1 | 45 3 | 1 64 |
| Parks Knoll Farms | B3 | 104 5 | 89 5 | 46 1 | 1 64 |
| Wm Bruce Bresee | 3 | 68 3 | 84 9 | 42 3 | 1 63 |
| Roy Beardslee | 3 | 90 5 | 91 1 | 44 0 | 1 63 |
| Gerald W Twigg | G3 | 131 3 | 85 6 | 42 2 | 1 63 |
| Lewstone Farms | G3 | 55 8 | 83 5 | 37 9 | 1 63 |
| Larry B Wright | B3 | 48 2 | 83 9 | 39 1 | 1 63 |
| Roe Russell Jr | 3 | 92 6 | 82 1 | 38 7 | 1 62 |
| Dawson & Dave Moon | 3 | 45 8 | 85 9 | 41 7 | 1 62 |
| Russell Stowell | B3 | 46 2 | 94 2 | 47 3 | 1 62 |
| Roof Farms | B3 | 31 0 | 87 2 | 43 1 | 1 62 |
| Snowcrest Farm | B3 | 73 6 | 80 9 | 44 1 | 1 62 |
| Leslie Freeman | 3 | 50 8 | 84 2 | 42 2 | 1 62 |
| Jerry Pruyne | B3 | 62 0 | 92 3 | 36 1 | 1 62 |
| Wayne J Felter | G3 | 29 4 | 89 4 | 44 5 | 1 62 |
| Elwin Roberts | B3 | 42 0 | 93 6 | 39 9 | 1 61 |
| Jeff & Karen Hale | B3 | 53 7 | 80 2 | 43 1 | 1 61 |
| Richard D Wheeler | 3 | 52 3 | 85 6 | 42 2 | 1 61 |
| Harvey Hennip | 3 | 42 9 | 82 6 | 44 8 | 1 61 |
| Ronald P Davis | B3 | 37 0 | 81 9 | 41 9 | 1 61 |
| Scott & Ben Jackson | 2 | 26 9 | 92 0 | 31 8 | 1 61 |
| Sheldon L Millard | 3 | 57 0 | 77 6 | 42 3 | 1 60 |
| Wayne H Lamont | B3 | 39 2 | 77 6 | 44 2 | 1 60 |
| Allen S Andrews | 3 | 81 7 | 81 1 | 45 2 | 1 60 |
| Robert W Cory | B3 | 52 5 | 89 2 | 38 3 | 1 60 |
| F S & F W Furman | B8 | 51 5 | 85 0 | 40 4 | 1 60 |
| James & Diane Elvidge | B3 | 44 1 | 92 5 | 42 8 | 1 60 |
| Jesse M Gardner | B3 | 40 1 | 82 6 | 42 8 | 1 59 |
| Ray Keeney | B3 | 76 9 | 87 9 | 43 1 | 1 59 |
| Donald Jennings Sr | B3 | 31 2 | 86 0 | 44 0 | 1 59 |
| Robert S Thomson | 3 | 69 6 | 81 9 | 39 3 | 1 58 |
| Lyle D Monro | 3 | 87 6 | 79 5 | 41 7 | 1 58 |
| Art & Joan B Gover | B3 | 38 8 | 85 7 | 42 4 | 1 58 |
| Layton Calkins | 3 | 69 5 | 95 3 | 40 3 | 1 58 |
| Marvin Berry | B3 | 42 3 | 76 7 | 40 9 | 1 57 |
| Gerald Stethers | 3 | 78 3 | 79 7 | 41 3 | 1 57 |
| Dale & Eileen Allis | B3 | 34 3 | 80 6 | 42 0 | 1 57 |
| Claude W Arnold | B3 | 35 0 | 80 6 | 40 1 | 1 57 |
| Vernalder Farm | B3 | 51 7 | 86 1 | 39 6 | 1 57 |
| Shumhurst Farm | B3 | 59 8 | 88 6 | 40 7 | 1 56 |
| Russell Stowell | B3 | 44 3 | 94 4 | 43 7 | 1 56 |
| Swamont Farms | B3 | 73 9 | 84 8 | 40 7 | 1 56 |
| Carl McClelland | B3 | 61 6 | 77 9 | 44 8 | 1 56 |
| Greland Farms | B3 | 43 6 | 84 0 | 45 5 | 1 56 |

(Turn to Page D3)

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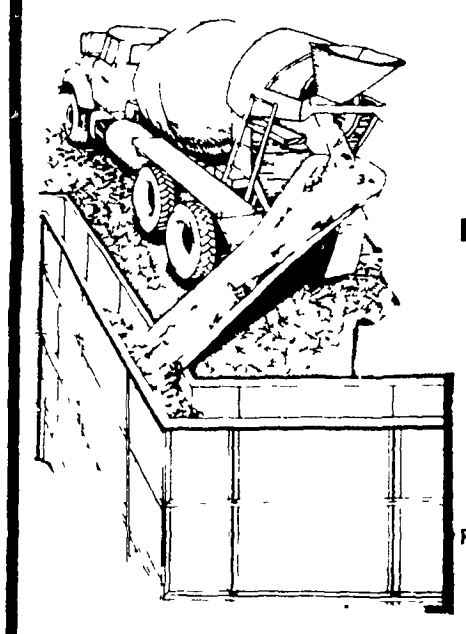

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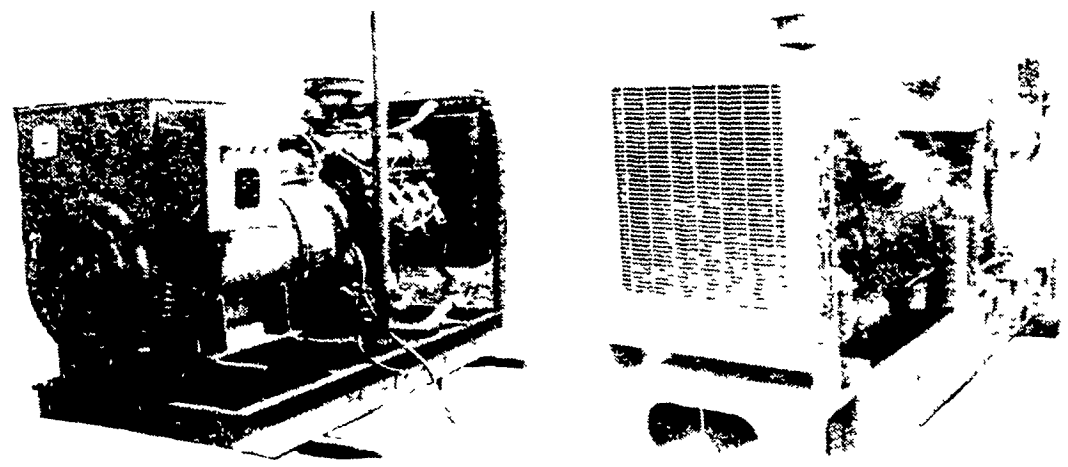

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- Balanced Designed for greater motor starting ability per dollar invested.
- Frequency of R.P.M. modulated Voltage Regulator permits load to be applied at the same rate the engine can take the load without stalling. Results in peak motor starting capabilities per engine H.P. Also easier on electric motor windings.
- Cycle cranking control
- Overload Protection
- Under Frequency Protection
- Brushless Alternators

We Also Have Special Designed Switch Gears Manufactured by Westinghouse to our Specifications

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# Bradford Co. DHIA

(Continued from Page D2)

| | | | | | |
|---|---|---|---|---|---|
| Donald Jennings Jr | B3 | 100 9 | 77 5 | 41 2 | 1 56 |
| James Nellie Warner | G3 | 22 0 | 95 5 | 43 5 | 1 56 |
| Louis Sturdevant | B3 | 51 8 | 97 4 | 39 2 | 1 55 |
| Gerald Stethers | 3 | 76 8 | 82 1 | 42 2 | 1 55 |
| Harvey Hennip | 3 | 52 6 | 87 8 | 43 5 | 1 55 |
| D & D Colton | B3 | 22 0 | 78 5 | 39 9 | 1 55 |
| Bennett R young | 3 | 75 4 | 85 3 | 43 1 | 1 54 |
| Thomas McCarty | B3 | 155 2 | 85 9 | 39 9 | 1 54 |
| Roy Watson Farm 3 | 3 | 52 2 | 90 0 | 37 7 | 1 54 |
| Donald E Cole | 5 | 44 2 | 91 5 | 36 8 | 1 53 |
| Frank Herman Jr | B3 | 39 7 | 86 0 | 40 2 | 1 53 |
| R Allen Rightmire | 3 | 45 9 | 90 3 | 38 6 | 1 53 |
| Donald L Jennings | B3 | 40 1 | 94 7 | 41 2 | 1 53 |
| Dinger Bros | B3 | 52 1 | 96 8 | 42 3 | 1 53 |
| George Kerrick | 3 | 61 4 | 91 8 | 36 5 | 1 52 |
| LeCanville Farm | 3 | 61 6 | 83 0 | 40 4 | 1 52 |
| Wright Bros | 2 | 78 8 | 85 3 | 30 9 | 1 51 |
| Tige R Luv Dairies | B3 | 80 3 | 87 3 | 43 9 | 1 51 |
| Dale Shedden & Family | G3 | 68 1 | 95 9 | 40 6 | 1 51 |
| Robert W Cory | B3 | 53 4 | 82 2 | 38 8 | 1 51 |
| Charles Allen | B3 | 111 0 | 86 6 | 39 0 | 1 51 |
| Max & Andy Dewing | B3 | 51 6 | 94 2 | 41 7 | 1 50 |
| Ralph & Helen Bouse | G3 | 58 4 | 96 1 | 38 2 | 1 50 |
| Duane Lewis | B3 | 46 8 | 82 8 | 40 4 | 1 50 |
| Charles Harris | B3 | 45 1 | 86 0 | 34 9 | 1 50 |
| Tige R Luv Dairies | B3 | 82 8 | 87 3 | 45 0 | 1 50 |
| Francis Chaffee | G3 | 37 9 | 94 0 | 37 4 | 1 50 |
| Merle & Leslie Wanck | B3 | 60 9 | 80 2 | 38 4 | 1 50 |

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**ARTHUR C. HALL**
1020 N New St , West Chester Pa

**DAVID A. PETERS**
R D #2, Northampton, Pa

**McDOWELL INSURANCE, INC.**
9 N Main St , Mercersburg, Pa


This reports all DHIA cows that have produced 700 pounds of butterfat or more in 305 days plus two years old records of 600 pounds or more

| OWNER NAME OR NO | AGE AT CALVING | | DAYS IN MILK | LBS MILK | LBS FAT |
|---|---|---|---|---|---|
| C & E Fleming & Sons | | | | | |
| Wanda | 3 | 4 | 305 | 20 377 | 734 |
| Gary Rockwell | | | | | |
| Becky | 3 | 4 | 305 | 18 829 | 732 |
| Y Run Dairy Farms | | | | | |
| Jackie | 3 | 9 | 305 | 23 121 | 784 |
| Robin | 3 | 4 | 276 | 18 299 | 774 |
| Johanna | 3 | 3 | 305 | 19 125 | 729 |
| Win | 3 | 2 | 305 | 16 322 | 650 |
| James Mattocks | | | | | |
| Maple | 3 | 4 | 305 | 18 350 | 804 |
| Mapoval Farms Inc | | | | | |
| Starlit | 3 | 4 | 305 | 18 920 | 778 |
| Rstella | 3 | 3 | 305 | 21 724 | 704 |
| Sp Kuni | 3 | 2 | 305 | 16 511 | 619 |
| Wm Bruce Bresee | | | | | |
| Vaughn | 3 | 5 | 305 | 21 008 | 821 |
| Trinket | 3 | 5 | 305 | 18 574 | 723 |
| Candy | 3 | 4 | 305 | 20 620 | 719 |
| Brackman Bros | | | | | |
| Cay | 2 | 7 | 305 | 14,916 | 726 |
| Dot | 2 | 4 | 305 | 14,095 | 721 |
| Wilcox Bros | | | | | |
| Cricket | 2 | 5 | 305 | 15 409 | 701 |
| Lovely | 2 | 4 | 305 | 12,746 | 723 |
| Wright Bros | | | | | |
| Puff | 2 | 6 | 305 | 15,571 | 741 |
| Minnie | 2 | 3 | 305 | 16 280 | 735 |
| Bennett R Young | | | | | |
| 7 | 3 | 9 | 305 | 24 904 | 954 |
| 57 | 3 | 9 | 305 | 23 634 | 793 |
| 150 | 3 | 8 | 305 | 22 171 | 741 |
| 28 | 3 | 4 | 305 | 17 567 | 760 |
| Dale Mattocks | | | | | |
| Gina | 3 | 4 | 305 | 19 838 | 799 |
| Eugene & Brian Harris | | | | | |
| Queen | 4 | 6 | 305 | 15 358 | 704 |
| Denise | 4 | 5 | 305 | 14 646 | 711 |
| Echo | 4 | 3 | 303 | 14 723 | 717 |
| Russel L Jones | | | | | |
| Lorita | 3 | 5 | 305 | 21 839 | 750 |
| Roe Russell Jr | | | | | |
| 436 | 3 | 5 | 305 | 24 278 | 956 |
| 505 | 3 | 2 | 305 | 16 422 | 717 |
| 506 | 3 | 2 | 305 | 17 365 | 650 |
| Thomas McCarty | | | | | |
| 133 | 3 | 5 | 305 | 22 189 | 740 |
| 129 | 3 | 5 | 304 | 15,770 | 726 |
| 235 | 3 | 3 | 305 | 19 876 | 757 |
| 245 | 3 | 2 | 305 | 18 244 | 716 |
| Kendale Farm Inc | | | | | |
| 77 | 3 | 8 | 305 | 16 552 | 703 |
| John H Howard & Sons | | | | | |
| Ninette | 3 | 11 | 305 | 18,662 | 833 |
| Apple | 3 | 5 | 305 | 25 306 | 777 |
| Narlyn | 3 | 4 | 305 | 20,039 | 724 |
| John Culver | | | | | |
| Leah | 3 | 7 | 305 | 21 462 | 742 |
| Lynn & Bonnie Miller | | | | | |
| Margy | 3 | 10 | 305 | 17 772 | 914 |
| Madge | 3 | 4 | 305 | 20 779 | 810 |
| Lib | 3 | 3 | 305 | 19,907 | 764 |
| Maid | 3 | 3 | 305 | 18,390 | 726 |
| Kettle | 3 | 3 | 305 | 17,565 | 717 |
| Patsy | 3 | 3 | 305 | 24,736 | 848 |
| Bride Brothers | | | | | |
| 105 | 3 | 5 | 305 | 21,469 | 762 |
| R Champluvier & Son | | | | | |
| Marsha | 3 | 4 | 305 | 19 504 | 765 |
| Lydia | 3 | 4 | 305 | 19,527 | 775 |
| Sissy | 3 | 4 | 287 | 16,822 | 726 |
| James Howard | | | | | |
| Feather | 3 | 6 | 305 | 23,249 | 848 |
| Erica | 3 | 3 | 305 | 19,052 | 723 |
| Vernon & Robert Allis | | | | | |
| Renee | 3 | 8 | 288 | 16 003 | 711 |
| Lou | 3 | 3 | 371 | 18 944 | 715 |
| Ronald & Judi Butts | | | | | |
| Cookie | 3 | 9 | 305 | 19 413 | 722 |
| Alarm | 3 | 4 | 273 | 16 774 | 701 |
| Leigh Sturdevant | | | | | |
| Bootbes | 3 | 7 | 286 | 16,550 | 740 |
| Doll | 3 | 6 | 305 | 16,209 | 730 |
| Bessie. | 3 | 2 | 305 | 14,694 | 671 |
| Robert S Thomson | | | | | |
| 9 | 3 | 6 | 305 | 20 097 | 727 |
| 68 | 3 | 6 | 305 | 21,168 | 859 |
| 58 | 3 | 2 | 305 | 18,235 | 647 |
| Jeff & Karen Hale | | | | | |
| Barbara | 3 | 6 | 305 | 23,707 | 788 |
| Archie L Williams | | | | | |
| Jet | 3 | 6 | 305 | 22 127 | 1001 |
| Verica | 3 | 6 | 305 | 30,143 | 1063 |
| Hiedi73 | 3 | 3 | 305 | 20,281 | 771 |
| Glen & Arlen Landis | | | | | |
| Martha | 3 | 2 | 303 | 16 542 | 604 |
| Dawson & Dave Moon | | | | | |
| White | 3 | 6 | 305 | 20,314 | 753 |
| Chris | 3 | 3 | 305 | 16 206 | 705 |
| William Brown | | | | | |
| Iris | 3 | 6 | 305 | 28,854 | 1046 |
| Effie | 3 | 6 | 291 | 19 464 | 715 |
| Pamula | 3 | 6 | 299 | 30,120 | 1171 |
| Wendy | 3 | 5 | 305 | 24,536 | 989 |
| Amy | 3 | 4 | 298 | 23 923 | 1046 |
| Stanley Saxton | | | | | |
| Lillian | 3 | 5 | 305 | 20 685 | 918 |
| Ella | 3 | 4 | 305 | 20 767 | 764 |
| Mae | 3 | 4 | 291 | 18,492 | 748 |
| Ben Jackson | | | | | |
| Connie | 3 | 2 | 305 | 16 901 | 616 |
| Marvin Berry | | | | | |
| 43 | 3 | 8 | 305 | 18 103 | 719 |
| 94 | 3 | 5 | 283 | 20 103 | 804 |
| 82 | 3 | 4 | 305 | 18 723 | 709 |
| L 13 | 3 | 3 | 305 | 16 941 | 725 |
| G 83 | 3 | 3 | 305 | 18 987 | 725 |
| 80 | 3 | 3 | 305 | 19 997 | 701 |
| Ford Ridge Farm | | | | | |
| Sally | 3 | 5 | 305 | 22 363 | 755 |
| BaLista | 3 | 3 | 292 | 16,348 | 712 |
| Goldie | 3 | 4 | 270 | 18 052 | 735 |
| Clarence & Keith Crain | | | | | |
| Joyous | 3 | 5 | 297 | 20 239 | 760 |
| Mite | 3 | 4 | 305 | 19 830 | 829 |
| Richard Bristol | | | | | |
| Patty | 3 | 5 | 277 | 18,665 | 723 |
| Babs | 3 | 4 | 305 | 19 708 | 734 |
| Louis Sturdevant | | | | | |
| Patsy | 3 | 7 | 305 | 18 659 | 765 |
| Nan | 3 | 7 | 305 | 21 799 | 935 |

(Turn to Page D4)


# Use the Profit-Making Power of Duke and M & M

**15H219 Ja-Sal Gay DUKE-EX**

| | | | |
|---|---|---|---|
| 33 Daus in 28 Herds Ave | 17,208M | 3 4% | 585F |
| Pred Dif. (58% rpt ) | **+ 1,303M** | **+$116** | **+ 22F** |

15 Daus Cl 77 2 (act ) 79 1 (age-adj ), **+1.00 PDT**
Sire Harrisburg-Gay Ideal — EX (93) & GM
Dam an EX Bootmaker with 4 rec over 22,000M & 800F

**15H226 Kinglea M & M — VG**

| | | | |
|---|---|---|---|
| 52 Daus in 44 Herds Ave | 17,325M | 3 5% | 600F |
| Pred Dif. (69% rpt ) | **+1,251M** | **+$113** | **+22F** |

28 Daus Cl. 78 2 (act ) 80 6 (age-adj ), **+ 47 PDT**
His Sire Harborcrest Marcus — GP & GM
His Dam an EX Fond Matt Dau with 2 rec over 27,000M & 900F

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20 bulls with value PD over +$100
9 bulls with +PD for % test
31 bulls with at least 70% repeatability
28 bulls with +PD for type

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**Approved by Certified Semen Services**

# Bradford Co. DHIA

(Continued from Page D3)

| | | | | | |
|---|---|---|---|---|---|
| Debbie | 3 | 7 | 305 | 23 731 | 1042 |
| Oyl | 3 | 4 | 305 | 23 464 | 1011 |
| Mona | 3 | 2 | 305 | 14 586 | 658 |
| Liza | 3 | 2 | 305 | 13 552 | 606 |
| Dally | 3 | 2 | 305 | 15 444 | 605 |
| Leonard Robert Cole | | | | | |
| Seven | 3 | 7 | 305 | 19 145 | 768 |
| Rita | 3 | 6 | 305 | 19 727 | 856 |
| Rose | 3 | 2 | 305 | 19 842 | 753 |
| Donald E Harkness | | | | | |
| Janet | 3 | 10 | 305 | 26,722 | 958 |
| Alma | 3 | 8 | 305 | 21,095 | 778 |
| Del | 3 | 4 | 305 | 26 694 | 1024 |
| Freda | 3 | 3 | 305 | 23,650 | 712 |
| Drucela | 3 | 2 | 305 | 16 133 | 852 |
| Milford Kinsman & Son | | | | | |
| Nona | 3 | 10 | 305 | 21 744 | 861 |
| Rosalyn | 3 | 8 | 305 | 19 557 | 715 |
| Teeter | 3 | 6 | 305 | 22 778 | 986 |
| Boots | 3 | 2 | 291 | 17 385 | 660 |
| Claudia | 3 | 2 | 305 | 18 131 | 617 |
| Clarice | 3 | 2 | 289 | 15 832 | 635 |
| Lyle D Monro | | | | | |
| 7 | 3 | 11 | 305 | 22 679 | 826 |
| Timothy Brennan | | | | | |
| Bell | 3 | 4 | 305 | 17 250 | 750 |
| Sadie | 3 | 2 | 303 | 16 850 | 646 |
| Shawnee | 3 | 2 | 305 | 17 581 | 714 |
| Gerald Stethers | | | | | |
| 77 | 3 | 6 | 305 | 25 614 | 909 |
| 51 | 3 | 3 | 298 | 19 396 | 749 |
| 95 | 3 | 3 | 281 | 18 048 | 713 |
| 48 | 3 | 2 | 292 | 19 513 | 761 |
| 96 | 3 | 1 | 305 | 16 998 | 712 |
| 65 | 3 | 2 | 305 | 19 023 | 662 |
| Richard Kingsley | | | | | |
| Bubbles | 3 | 7 | 259 | 18 460 | 731 |
| Patty | 3 | 6 | 293 | 17 167 | 701 |
| Ona | 3 | 6 | 305 | 16 432 | 700 |
| Judy | 3 | 4 | 305 | 22 423 | 854 |
| Jackie | 3 | 3 | 305 | 21 877 | 701 |
| Jesse M Gardner | | | | | |
| Ada | 3 | 9 | 305 | 20 967 | 718 |
| Robert L Storch | | | | | |
| Whitier | 3 | 9 | 305 | 19 274 | 763 |
| Polly 8 | 3 | 4 | 305 | 22,216 | 851 |
| Richard H Packard | | | | | |
| Beaming | 3 | 7 | 305 | 24 627 | 964 |
| Teresa | 3 | 7 | 305 | 26 731 | 875 |
| Bootee | 3 | 6 | 305 | 24 179 | 951 |
| Brenna | 3 | 5 | 305 | 30 340 | 1034 |
| Beta | 3 | 5 | 305 | 25 597 | 825 |
| Beamy | 3 | 4 | 305 | 24 154 | 796 |
| Brigett | 3 | 3 | 305 | 21 548 | 831 |
| Braise | 3 | 2 | 305 | 20 054 | 669 |
| Beam | 3 | 2 | 305 | 16 120 | 618 |
| Roy Watson Farm 1 | | | | | |
| Ginger | 4 | 7 | 305 | 13 538 | 738 |
| Dottie | 4 | 6 | 305 | 12 420 | 727 |
| Ramona | 4 | 2 | 302 | 12 393 | 692 |
| Fivebrooks Farm | | | | | |
| Gi Gi | 3 | 11 | 305 | 20 471 | 750 |
| Patrice | 3 | 7 | 305 | 27 349 | 925 |
| Celina | 3 | 6 | 305 | 24 468 | 929 |
| Merry C | 3 | 5 | 305 | 23 087 | 973 |
| Genie | 3 | 4 | 305 | 21 446 | 732 |
| Marsha | 3 | 4 | 305 | 21 162 | 745 |
| Robert H Whipple | | | | | |
| Mamie | 3 | 6 | 305 | 23 365 | 885 |
| Peanut | 3 | 4 | 305 | 22 419 | 859 |
| Rodney Babcock | | | | | |
| 77 | 3 | 2 | 305 | 21 522 | 644 |
| Robert Taylor | | | | | |
| Faye | 3 | 4 | 305 | 21 821 | 804 |
| Candy | 3 | 5 | 302 | 23 996 | 927 |
| Fury | 3 | 5 | 297 | 21 221 | 793 |
| Merry | 3 | 4 | 305 | 21 088 | 732 |
| H W Russell & Sons | | | | | |
| 11L | 3 | 4 | 305 | 22,483 | 902 |
| 33 D | 3 | 4 | 305 | 22 658 | 828 |
| 16 1 | 3 | 4 | 305 | 21 000 | 758 |
| Richard B Reagan | | | | | |
| Amy | 3 | 2 | 305 | 18 634 | 697 |
| Enna | 3 | 2 | 305 | 16 723 | 630 |
| Tricia | 3 | 4 | 305 | 24 459 | 923 |
| Lloyd Smeck | | | | | |
| 195 | 3 | 5 | 296 | 16 787 | 731 |
| 238 | 3 | 2 | 305 | 17 375 | 670 |
| Dale & Eileen Allis | | | | | |
| Lilly | 3 | 11 | 305 | 21 731 | 716 |
| Kathy | 3 | 4 | 305 | 15 481 | 718 |
| Sally | 3 | 3 | 305 | 23 209 | 781 |
| Joy | 3 | 3 | 305 | 19 134 | 751 |
| Duane Lewis | | | | | |
| 19 | 3 | 9 | 305 | 19 780 | 723 |
| 13 | 3 | 2 | 305 | 16 083 | 623 |
| William J Smith | | | | | |
| Nellie | 3 | 4 | 305 | 18 703 | 719 |
| Pinetop Farm | | | | | |
| Beulah | 3 | 6 | 297 | 21 240 | 736 |
| Art & Joan B Gover | | | | | |
| Comma | 3 | 7 | 304 | 18 776 | 725 |
| Corinne | 3 | 3 | 305 | 20 779 | 816 |
| Charles Harris | | | | | |
| 42 | 3 | 8 | 305 | 15 243 | 707 |
| 19 | 3 | 9 | 305 | 18 017 | 716 |
| LeCanville Farm | | | | | |
| Beryl | 3 | 8 | 305 | 17 671 | 759 |
| Delia | 3 | 5 | 305 | 19 013 | 725 |
| H W & Gladys Alderfer | | | | | |
| Joy | 3 | 5 | 305 | 19 140 | 711 |
| Tige R Luv Dairies | | | | | |
| 66 | 3 | 7 | 305 | 19 363 | 798 |
| 110 | 3 | 4 | 305 | 18 691 | 750 |
| 113 | 3 | 4 | 305 | 23 770 | 754 |
| 24 | 3 | 2 | 305 | 16 353 | 647 |
| Robert & Gary Burke | | | | | |
| Jeri | 4 | 7 | 305 | 15,733 | 746 |
| Latini Brothers | | | | | |
| 26NVDE | 3 | 8 | 305 | 19 096 | 734 |
| Swamont Farms | | | | | |
| Inka | 3 | 8 | 305 | 18,072 | 714 |
| Shelly | 3 | 8 | 305 | 20 524 | 866 |
| Ginger | 3 | 7 | 305 | 20,038 | 724 |
| Minnie | 3 | 6 | 305 | 20 053 | 933 |
| Lana | 3 | 4 | 305 | 20 499 | 809 |
| Sheldon L Millard | | | | | |
| 12 | 3 | 6 | 305 | 22 440 | 893 |
| Myron Bristol | | | | | |
| Tina | 3 | 6 | 268 | 20,238 | 812 |
| Cragle Knolls | | | | | |
| Toni | 3 | 6 | 305 | 19,517 | 850 |
| Charles & Mary Elliott | | | | | |
| Sally 2 | 3 | 6 | 305 | 22 308 | 759 |
| Elizabe | 3 | 8 | 305 | 19 997 | 725 |

(Turn to Page D6)


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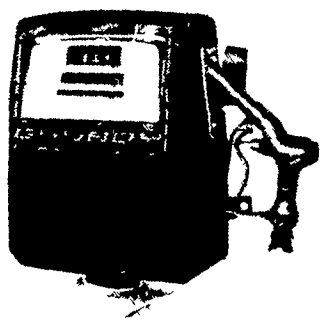

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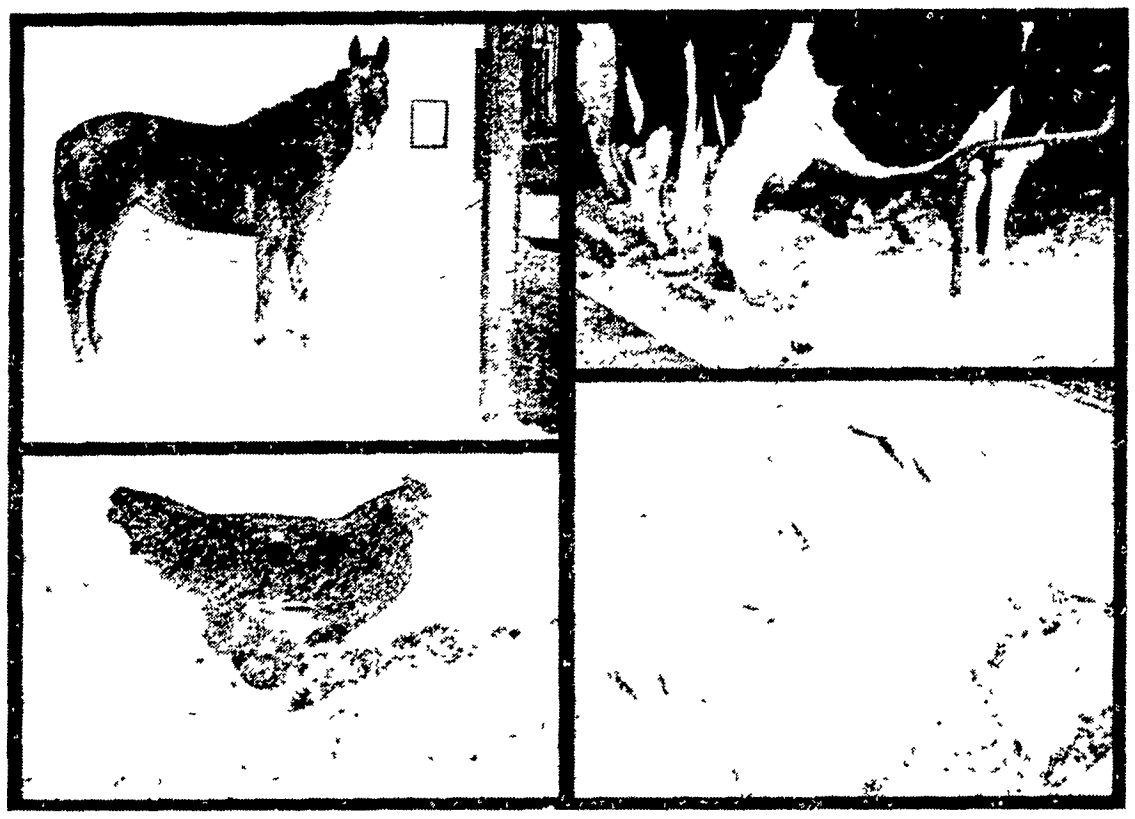

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★ ABSORBENT — Animals are kept clean and dry
★ COMFORTABLE — Insulate against cold floors, cushion animals at rest
★ ECONOMICAL — Each bale covers 125 square feet to a depth of one inch
★ LABOR SAVING — Less waste
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★ CONVENIENT — Delivered in clean, sealed bales
★ AVAILABLE year-round

SPECIES Southern Pine
PARTICLE SIZE 3/16 1⅔ Majority 1
SAWDUST None
DUST None
BALE SIZE 12½ x 18 x 30 3 9 cu ft
WEIGHT Approx 45 lb
PACKAGED 2 ply Multi Wall Kraft Bag
COVERAGE 125 sq ft 1 deep
TRAILER LOADS Approx 700 Bales

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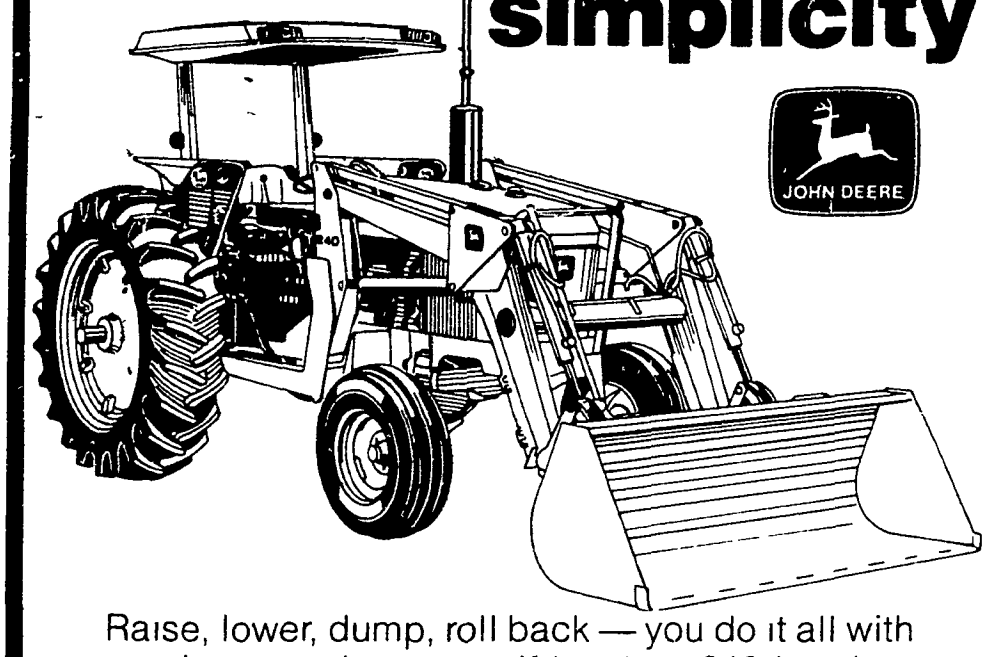
DEALER INQUIRIES INVITED.

# Command this new 240 Loader with single-lever simplicity



Raise, lower, dump, roll back — you do it all with one lever on the new self-leveling 240 Loader from John Deere No more lever juggling required. It's simple, and allows faster cycling Designed exclusively for 4-cylinder tractors, this loader offers self-leveling You'll like that feature when moving pallets or raising buckets full of sloppy manure or loose materials. New Quik-Tatch™ mount/demount and attachment change let you make these switches faster than ever before, using NO TOOLS. Forty degrees of rollback allows hauling the largest possible loads See the self-leveling 240 Loader today

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## Not too big for small jobs . . . not too small for big ones . . . priced to be the practical alternative: the 60-hp 2440

You ll find you can fit 60 hp into a lot of jobs very economically when you see the performance of the John Deere 2440 Tractor Field-proven engine and drive train combine with John Deere features like Load-and-Depth Control and a closed-center hydraulic system to provide you maximum 60-hp performance in the field or feedlot An electronic instrument panel and adjustable seat round out the impressive performance features of the 2440

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Mohnton R D 2 PA
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**CHAPMAN EQUIPMENT CENTER**
Agway Inc
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215 398 2553

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**J.S. COVERT & SONS**
Neshanic Station NJ
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609 769 1535

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Carlisle PA
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**ROBERT G. HAMPTON, INC.**
Shiloh NJ
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**I.G. SALES**
Silverdale PA
215 257 5136

**JOHNSON BROS.**
Kresgeville PA
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**KERMIT K. KISTLER INC.**
Lynnport PA
215 298 2011

**LANDIS BROS. INC.**
Lancaster PA
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Zieglerville PA
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**PIKEVILLE EQUIPMENT INC.**
Oyster Dale Road
Oley RD2 PA
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Easton PA
215 258 7146

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**TOBIAS EQUIPMENT CO., INC.**
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**WENGER IMPLEMENT, INC.**
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Medford NJ
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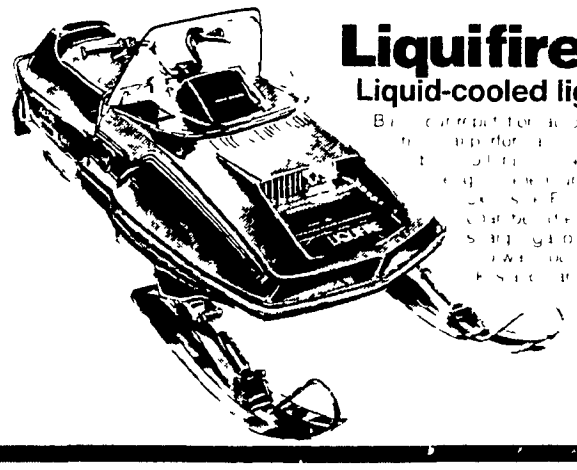
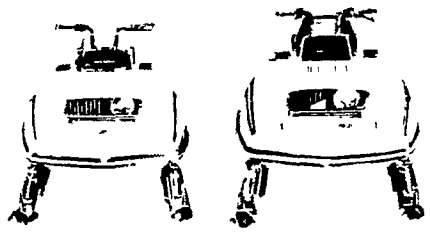
*SEE LIQUIFIRE • SPORTFIRE • TRAILFIRE • SPITFIRE TODAY*



## Liquifire

**Liquid-cooled lightning**

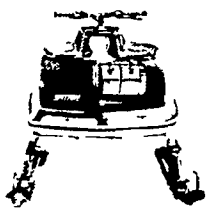


## Trailfire, Sportfire

**The trail blazers**

## Spitfire

**The little spark with a lot of fire**



# Bradford Co. DHIA

(Continued from Page D4)

| | | | | | |
|---|---|---|---|---|---|
| Paul D McCoy | | | | | |
| 70 | 3 | 7 | 303 | 19 365 | 742 |
| 66 | 3 | 7 | 305 | 22 049 | 890 |
| 77 | 3 | 6 | 305 | 24 552 | 816 |
| 29 | 3 | 5 | 305 | 19 258 | 732 |
| 140 | 3 | 5 | 305 | 17 707 | 754 |
| 20 | 3 | 7 | 305 | 22 192 | 866 |
| 39 | 3 | 2 | 293 | 15,821 | 647 |
| Windham Valley Farm | | | | | |
| Salt | 3 | 7 | 305 | 21 669 | 926 |
| Harvey Hennip | | | | | |
| Donna | 3 | 5 | 305 | 19 754 | 758 |
| Merle Watson | | | | | |
| Sammy | 3 | 7 | 280 | 15 457 | 721 |
| William Eick | | | | | |
| Lilly | 4 | 5 | 305 | 13 838 | 734 |
| Art & Clay Harkness | | | | | |
| Nadia | 3 | 5 | 305 | 20 695 | 827 |
| Garry & Nancy Johnson | | | | | |
| 57 | 3 | 3 | 305 | 21 394 | 806 |
| 34 | 4 | 2 | 305 | 16 463 | 604 |
| 29 | 3 | 2 | 305 | 19,805 | 654 |
| Kenneth L Price | | | | | |
| 2393 | 3 | 2 | 305 | 17,002 | 646 |
| Carl McClelland | | | | | |
| Tiny | 3 | 10 | 305 | 24,498 | 842 |
| Judy | 3 | 9 | 305 | 25 507 | 887 |
| Whitie | 3 | 7 | 294 | 19 260 | 845 |
| Dairy | 3 | 3 | 290 | 21 374 | 832 |
| Jan | 3 | 2 | 289 | 14 553 | 602 |
| Dale & Donna Bennett | | | | | |
| Shelley | 4 | 5 | 305 | 14 439 | 737 |
| Popcicl | 4 | 4 | 305 | 16 243 | 703 |
| Raindro | 4 | 2 | 305 | 13 008 | 610 |
| John Kolesar Jr | | | | | |
| Kate | 3 | 6 | 305 | 17 754 | 767 |
| Sheila | 3 | 4 | 305 | 23 006 | 831 |
| Clyde T Seeley | | | | | |
| Lorali | 3 | 5 | 305 | 19 561 | 766 |
| George M Shell | | | | | |
| 7 Up | 3 | 4 | 305 | 21 907 | 795 |
| Willow | 3 | 3 | 305 | 26 001 | 948 |
| Whiteye | 3 | 2 | 291 | 16 481 | 615 |
| Wayne H LaMont | | | | | |
| Baby | 3 | 9 | 305 | 25 008 | 835 |
| Debbie | 3 | 6 | 305 | 25 151 | 715 |
| Cheryl | 3 | 5 | 284 | 21,378 | 710 |
| De De | 3 | 4 | 305 | 23 020 | 787 |
| R Allen Rightmire | | | | | |
| Queen | 3 | 4 | 305 | 16 269 | 707 |
| Wm & Florence Vrabel | | | | | |
| Squaw | 3 | 4 | 305 | 20 305 | 761 |
| Tom & Diane Elliott | | | | | |
| Rachel | 3 | 6 | 290 | 20 919 | 723 |
| Kelly | 3 | 5 | 292 | 21 362 | 734 |
| Raymond Hoppaugh | | | | | |
| Pauline | 3 | 5 | 305 | 22 212 | 741 |
| Whirl | 3 | 5 | 305 | 20 269 | 747 |
| Roy Beardslee | | | | | |
| 11 | 3 | 4 | 305 | 18 977 | 779 |
| 86 | 3 | 2 | 305 | 16 103 | 653 |
| Alfred Sparling | | | | | |
| Wendy | 3 | 7 | 305 | 19 156 | 798 |
| Molly | 3 | 2 | 305 | 19 046 | 655 |
| Clayton Oldroyd | | | | | |
| Julie | 3 | 6 | 305 | 15 981 | 705 |
| Braund Valley Farms | | | | | |
| Linda | 3 | 8 | 297 | 20 656 | 818 |
| Val | 3 | 5 | 291 | 20 716 | 815 |
| Victora | 3 | 4 | 305 | 19 118 | 756 |
| Kitty | 3 | 5 | 280 | 21 705 | 847 |
| Jara | 3 | 4 | 282 | 19 256 | 823 |
| Vernalder Farm | | | | | |
| Hickory | 3 | 5 | 305 | 19 226 | 791 |
| Pepper | 3 | 5 | 296 | 18 186 | 705 |
| Arlyn Wilbur | | | | | |
| 1 | 3 | 5 | 305 | 16 549 | 791 |
| 17 | 3 | 5 | 262 | 17 531 | 712 |
| Maple Hill Farm | | | | | |
| Pendy | 3 | 6 | 280 | 16 095 | 615 |
| Arthur D Wolf | | | | | |
| 59 | 3 | 11 | 285 | 20 175 | 749 |
| 36 | 3 | 9 | 305 | 22 440 | 865 |
| 16 | 3 | 5 | 305 | 21 262 | 756 |
| 18 | 3 | 4 | 305 | 18 852 | 720 |
| 24 | 3 | 2 | 305 | 15 772 | 639 |
| Allen S Andrews | | | | | |
| 563 | 3 | 8 | 305 | 21 723 | 743 |
| Tammy | 3 | 3 | 305 | 20 984 | 713 |
| Salty | 3 | 2 | 305 | 21 191 | 712 |
| Roy Watson Farm 3 | | | | | |
| Sharon | 3 | 7 | 305 | 17 802 | 781 |
| Edward H Morse | | | | | |
| Peckham | 3 | 6 | 305 | 20 483 | 722 |
| Mrs Mark Schucker Jr | | | | | |
| April | 3 | 2 | 305 | 19 395 | 706 |
| Gary L Ritz | | | | | |
| 18 | 3 | 9 | 305 | 21 328 | 760 |
| Leona Holsteins | | | | | |
| Sofie | 3 | 4 | 305 | 19 007 | 742 |
| Ivy | 3 | 9 | 232 | 20 672 | 774 |
| Farwell | 3 | w | 305 | 17 807 | 694 |
| Colleen | 3 | 4 | 305 | 19 175 | 723 |
| Earl Browning Farm 2 | | | | | |
| Galaxy | 3 | 2 | 300 | 16 757 | 608 |
| Kenneth Walters & Sons | | | | | |
| 15 | 3 | 3 | 305 | 18,569 | 939 |
| Richard G Tice | | | | | |
| 34 | 3 | 4 | 305 | 17 459 | 726 |
| Manleyview Farms | | | | | |
| Elaine | 3 | 9 | 301 | 19,702 | 738 |
| Cal | 3 | 8 | 305 | 20 918 | 875 |
| Dinger Bros | | | | | |
| Brita | 3 | 5 | 305 | 19 895 | 854 |
| Walter G Wheaton | | | | | |
| Deer 83 | 3 | 5 | 305 | 20 183 | 801 |
| Hopps Hill Farm | | | | | |
| 49 | 3 | 7 | 305 | 19 770 | 735 |
| Betty Kilmer & Sons | | | | | |
| Car 115 | 1 | 2 | 305 | 15 922 | 625 |
| Drew & Craig Bagley | | | | | |
| Bugeyes | 3 | 5 | 305 | 18 965 | 714 |

(Turn to Page D7)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# Bradford Co. DHIA

(Continued from Page D6)

| | | | | | |
|---|---|---|---|---|---|
| Ray & Larry Rowe | | | | | |
| 34 | 3 | 2 | 281 | 16 749 | 713 |
| Earl J Gamble | | | | | |
| Corky | 3 | 8 | 203 | 19 983 | 719 |
| Chris | 3 | 7 | 204 | 21 126 | 787 |
| Margie | 3 | 7 | 305 | 17 045 | 772 |
| Diane | 3 | 5 | 300 | 20 400 | 869 |
| Dusty | 3 | 5 | 284 | 18,356 | 789 |
| Shannon | 3 | 4 | 305 | 22,361 | 823 |
| Ronald P Davis | | | | | |
| Gail | 3 | 7 | 305 | 18 648 | 809 |
| Gwen | 3 | 6 | 305 | 19 279 | 731 |
| Lucy | 3 | 5 | 290 | 16 624 | 713 |
| Judy | 3 | 4 | 291 | 22 725 | 790 |
| Betty Kilmer & Sons | | | | | |
| Linjo15 | 3 | 7 | 305 | 16 234 | 714 |
| Ron Lin Farms | | | | | |
| Chris | 3 | 5 | 305 | 20 082 | 784 |
| Greland Farms | | | | | |
| Ada | 3 | 8 | 239 | 19 165 | 700 |
| Ponder Hill Farms | | | | | |
| Tops | 3 | 6 | 305 | 17 990 | 701 |
| Hugh & Russell Andrus | | | | | |
| 53 | 3 | 2 | 305 | 15 302 | 621 |
| Donald Jennings Sr | | | | | |
| 46 | 3 | 8 | 263 | 18 571 | 753 |
| 32 | 3 | 8 | 305 | 22 941 | 817 |
| 34 | 3 | 7 | 258 | 18 291 | 706 |
| 48 | 3 | 5 | 305 | 20 663 | 909 |
| 6 | 3 | 5 | 305 | 20,284 | 756 |
| 25 | 3 | 4 | 305 | 19 750 | 781 |
| 3 | 3 | 4 | 305 | 24 000 | 827 |
| 45 | 3 | 3 | 305 | 18 395 | 710 |
| Donald Jennings Jr | | | | | |
| 89 | 3 | 7 | 305 | 26 463 | 882 |
| 91 | 3 | 6 | 305 | 21,962 | 782 |
| 70 | 3 | 6 | 305 | 29 299 | 843 |
| 103 | 3 | 6 | 305 | 23,789 | 799 |
| 142 | 3 | 4 | 305 | 22,302 | 867 |
| 124 | 3 | 4 | 305 | 20 896 | 855 |
| 61 | 3 | 3 | 305 | 22 201 | 818 |
| 149 | 3 | 3 | 305 | 21 129 | 742 |
| 77 | 3 | 5 | 305 | 23,350 | 705 |
| 62 | 3 | 3 | 305 | 23 264 | 748 |
| R 75 | 3 | 4 | 305 | 21 171 | 847 |
| 10 | 3 | 4 | 305 | 18 112 | 824 |
| 14 | 3 | 3 | 305 | 18 256 | 806 |
| 130 | 3 | 3 | 305 | 19,007 | 857 |
| 23 | 3 | 3 | 305 | 24,498 | 934 |
| 56 | 3 | 3 | 298 | 20 347 | 710 |
| 53 | 3 | 2 | 305 | 18 125 | 628 |
| 9 | 3 | 2 | 305 | 18 947 | 747 |
| 65 | 3 | 2 | 305 | 15 706 | 658 |
| 58 | 3 | 2 | 305 | 18 177 | 692 |
| Snowcrest Farm | | | | | |
| Wilma | 3 | 5 | 305 | 19 389 | 702 |
| Jenifer | 3 | 3 | 305 | 21 778 | 798 |
| Dennis Lehman | | | | | |
| Molly | 3 | 5 | 305 | 20 507 | 718 |
| Garfield Vanderpool | | | | | |
| 24 | 3 | 8 | 305 | 21 010 | 720 |
| James Boor | | | | | |
| Diana | 3 | 7 | 300 | 17 155 | 711 |
| Lewis & Lois Alderson | | | | | |
| Willmil | 3 | 4 | 305 | 22 643 | 775 |
| Dandy | 3 | 3 | 305 | 21 443 | 853 |
| Cop | 3 | 2 | 305 | 15 464 | 685 |
| Chas & Tina Crocetti | | | | | |
| Eliza | 3 | 7 | 305 | 22 071 | 758 |
| Shores Brothers | | | | | |
| Gladys | 3 | 10 | 305 | 20 911 | 742 |
| Bill & Donna Earls | | | | | |
| Jo | 3 | 7 | 292 | 18 710 | 766 |
| Freedom | 3 | 5 | 302 | 19 485 | 772 |
| Poppy | 3 | 5 | 305 | 21 535 | 888 |
| Douglas Graybill | | | | | |
| Imajo | 3 | 9 | 305 | 20 247 | 749 |
| | | | | | 668 |
| Leslie Freeman | | | | | |
| 4315 | 3 | 4 | 305 | 23,750 | 855 |
| 4317 | 3 | 4 | 305 | 18 840 | 705 |
| Harold Warner & Sons | | | | | |
| Wanetta | 3 | 4 | 305 | 16,746 | 705 |
| David & Joyce Egge | | | | | |
| 26 | 3 | 6 | 305 | 19,685 | 706 |
| 14 A | 3 | 5 | 292 | 19,346 | 903 |
| 39A | 3 | 2 | 305 | 13 737 | 615 |
| Elsbree Bros | | | | | |
| 40 | 3 | 8 | 305 | 22,680 | 844 |
| 91 | 3 | 6 | 305 | 19,789 | 710 |
| Peck Hill Farms | | | | | |
| 86 | 3 | 12 | 284 | 19,677 | 717 |
| 77 | 3 | 6 | 305 | 22,403 | 789 |
| Layton Calkins | | | | | |
| Carrie | 3 | 6 | 305 | 19,503 | 755 |
| K Patty | 3 | 4 | 305 | 20 231 | 950 |
| Clifton McMurray | | | | | |
| 31 | 3 | 9 | 305 | 15 957 | 754 |
| George W Lee | | | | | |
| Horns | 3 | 5 | 296 | 19 126 | 789 |
| Kim | 3 | 5 | 305 | 20 213 | 927 |
| Blackie | 3 | 4 | 305 | 20 364 | 868 |
| Davis Brothers | | | | | |
| C 78 | 3 | 9 | 305 | 20 058 | 795 |
| Piercehome Farms | | | | | |
| Allie | 3 | 3 | 305 | 19,922 | 709 |
| Abraham S Derstine | | | | | |
| Lucy | 3 | 2 | 305 | 20,225 | 730 |
| Halstead Bros | | | | | |
| 32 | 3 | 4 | 305 | 22,523 | 974 |
| 62 | 3 | 3 | 297 | 17 868 | 711 |
| Nancy K Bean | | | | | |
| Netta | 3 | 5 | 305 | 21 206 | 808 |
| Nicki | 3 | 6 | 305 | 14,730 | 706 |
| William H Kapichok Jr | | | | | |
| 90 | 3 | 5 | 284 | 18 710 | 794 |
| Calvin & Rick Shaffer | | | | | |
| 69 A | 3 | 6 | 305 | 21 240 | 813 |
| 38 | 3 | 2 | 305 | 17 007 | 673 |
| Lewstone Farms | | | | | |
| Nada | 3 | 10 | 305 | 19 066 | 779 |
| Suzanne | 3 | 7 | 305 | 20,134 | 737 |
| Wendy | 3 | 4 | 305 | 22 013 | 849 |
| Sarah | 3 | 4 | 305 | 21 091 | 959 |
| Blink | 3 | 4 | 305 | 15,920 | 795 |
| Shelly | 3 | 3 | 305 | 16,835 | 797 |
| Sadie | 3 | 3 | 305 | 19 243 | 735 |
| Edith | 3 | 3 | 305 | 21,685 | 785 |
| Gary S Ferguson | | | | | |
| Gertrud | 3 | 6 | 305 | 18 701 | 838 |
| Parks Knoll Farms | | | | | |
| 7 | 3 | 7 | 305 | 23 926 | 993 |
| Charles Allen | | | | | |
| 6 H | 3 | 7 | 305 | 28,252 | 1078 |
| 9 E | 3 | 5 | 305 | 18 817 | 718 |
| 13 F | 3 | 5 | 305 | 19 101 | 710 |
| 21 J | 3 | 5 | 305 | 17,747 | 782 |
| 78 C | 3 | 4 | 305 | 20,656 | 796 |
| 92 C | 3 | 3 | 305 | 21 072 | 837 |
| 106 B | 3 | 2 | 305 | 18 032 | 607 |

(Turn to Page D8)


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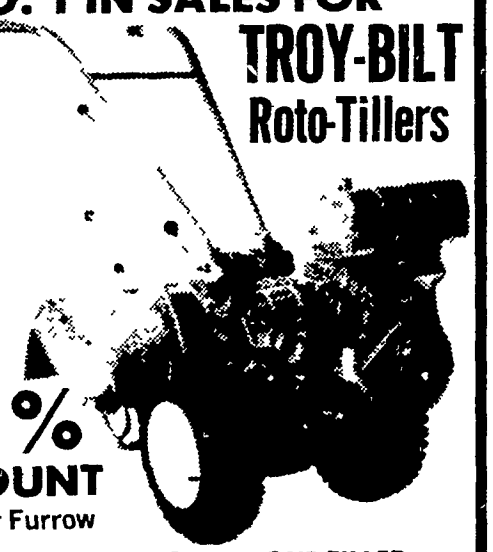

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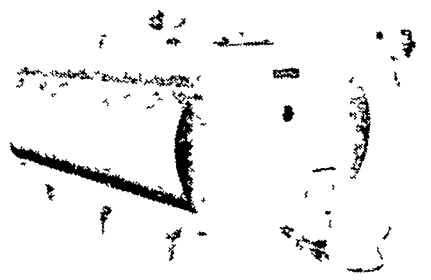

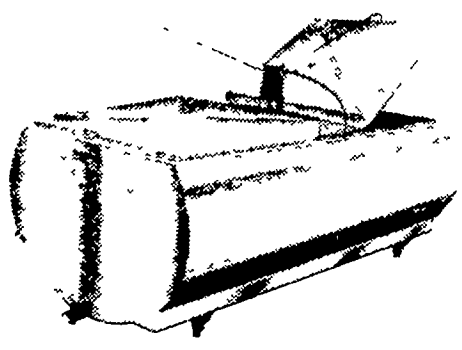

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# Nat'l Shorthorn Assn. to meet in January

OMAHA, Neb. — The National Western Livestock Show, held in Denver, Co., will be the site for national activities for the American Shorthorn Association as it conducts its annual meeting and National Shorthorn Show & Sale, January 15-18, according to Ron Hofstrand, president.

Well over 300 head of cattle from the top competitve herds of Shorthorns and Polled Shorthorns from the U.S and Canada are expected to compete for top honors in the National Show on January 18, with class competition beginning on the National Western grounds at 9 a.m.

The National Shorthorn Show will be using a three-man composite judging system with J W Brune, general manager of Wingert Stock Farm, Ottawa, Ks., Don Hutzel of the Northern Ohio Breeders' Association, Tiffin, Oh, and George Ellis of Beartooth Ranch, Columbus, Mt.; serving as the team of officials

Show classes for the cattle entered in pen competition will be held in the stockyards area on Friday afternoon, January 16, beginning at 1 p m

The National Western will be the site for a National Shorthorn Sale as well, with a top offering of select seedstock from superior herds across the country. The show for sale entries is scheduled for 8 a m on January 17 with the sale conducted that evening at 7 p m. Sale arrangements are being handled by Cagwin Cattle Services, Inc, of Virginia, Il.

Hofstrand said the Association's business meeting is scheduled for Friday, January 16, at the Denver Hilton, beginning at 9 a m Agenda highlights will include the election of national officers and three directors' seats

Directors whose terms are expiring include L Eugene Byers, Loudonville, Oh, Merl Welch, Elkhart, Il, and F.A Heckendorf, Jr, Castle Rock, Co Byers will retire from the board with Welch and Heckendorf eligible for reelection.

Other important business activities will include informal discussion sessions between the general membership and the board of directors, evaluation of breed direction into the 1980's and discussions involving the policies, public relations and advertising promotion programs of the Association

Hofstrand said that recognition will be given to Shorthorn and Polled Shorthorn producers during the Friday evening banquet with the presentation of awards that include Herd Sire of the Year, Century Club winners; Junior Breeder of the Year and the announcement of the three recipients of the Shorthorn Foundatin-Don Longley Memorial Scholarships to members of the American Junior Shorthorn Association

The National Shorthorn Lassies, women's auxiliary of the breed association, will be having their national annual meeting the same dates as well Tours, luncheons, and a variety of other activities that will commemorate the 25th anniversary of the organization are planned along with their Friday meeting, according to Marge Tribbett of Linden, In, national Lassie president.

The activities will also include the crowning of the National Shorthorn Lassie Queen which will be done at the annual Friday evening banquet.

According to Wilma Russell, Fullerton, Ne, coordinator of the event, 17 young ladies will be traveling to Denver as their state Lassie Queens to vie for the national crown now worn by Lisa McAnear of Clarendon, Tx.

In summing up the details of the Denver meetings, show and sale, Hofstrand said these 1981 national events will offer the Association the time to evaluate the direction and activities of the breed through long-range planning.

It will also be an opportunity, he said, to show the development the breed — the first improved beef breed to be imported to this country, dating back to Virginia in 1783.

# Del. fruit growers to meet Thursday

WYOMING, Del — There will be an all-day workshop for Delaware's commercial peach and apple producers Thursday, December 18

The program starts at 10 a m at Fifer's Orchard in Wyoming with demonstrations on orchard trees by Rutgers University extension fruit specialist Ernie Christ and extension plant pathologist Jack Springer

The group will then move to Anthony's Restaurant in Wyoming for lunch and the afternoon session, which concludes at 3 30 p m

The program will include updates on disease and insect control, varieties, and cultural practices for the commercial production of peaches and apples

All commercial growers of these fruit crops are encouraged to attend, as well as any farmers who are considering going into their production

The workshop is sponsored by the Delaware Extension Service

For further information, contact Kent County agricultural agent Ed kee at 302/736-4675

# Bradford Co. DHIA

(Continued from Page D7)

| | | | | | |
|---|---|---|---|---|---|
| Pet Roypa Farm | | | | | |
| Chris | 3 | 4 | 305 | 18 490 | 762 |
| Stuart Wrisley | | | | | |
| 4451 | 3 | 2 | 305 | 16 462 | 710 |
| Romaine & Jeff Sechrist | | | | | |
| Lou | 3 | 8 | 305 | 19 334 | 715 |
| James & Diane Elvidge | | | | | |
| Arlinda | 3 | 7 | 305 | 18,229 | 719 |
| Mattie | 3 | 3 | 284 | 18 050 | 736 |
| Spooky | 3 | 4 | 305 | 16,180 | 722 |
| Lil | 3 | 6 | 305 | 21 820 | 793 |


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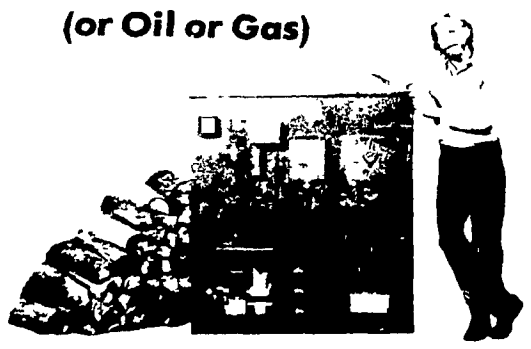

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# New technique speeds maturity in chickens

COLLEGE PARK, Md — A relatively painless surgical operation on the brain of baby cockerels appears to speed up the onset of sexual development in the birds and promises to have an impact on the poultry industry, according to a University of Maryland Agricultural Experiment Station poultry science professor

For reasons that are still unclear, the surgery procedure causes enlargement of the testes to about nine times their normal size by the ninth week after hatching At that point, the young chickens are capable of producing sperm, a development that usually takes place about 20 to 24 weeks of age

"We're decreasing the generation time," says Wayne Kuenzel, the poultry science professor who, with a graduate student, Heidi Mass, made the discovery Presently, scientists seeking to breed traits such as increased size and egg-laying ability in chickens are restricted by the length of time it takes the birds to reach maturity If it is possible to reduce the time it takes the chickens to reach maturity, then the desired traits will show up faster.

Kuenzel has earned a Fulbright Fellowship to pursue further study at the poultry science center in Edinburgh, Scotland, a federally funded institution devoted to study of the nutrition and physiology of fowl There, he will spend one year studying appetite control in fowl by examining brain function.

Kuenzel and Ms Mass made the discovery while studying appetite in chickens, specificially "what do we do to the chicken's brain to increase appetite and get them to market in less than seven weeks? Kuenzel said

He was also trying to suppress the appetite in those chickens selected to be breeding stock in order to keep the birds from becoming too large and obese. Size itself has become a major poultry industry problem, Kuenzel says, because the young roosters bred to have large, meaty breasts are having difficulty "mounting" hens during the breeding process

During the appetite studies, the two researchers literally needed a map in order to investigate the brain to determine how it could be manipulated to alter appetite To make the map, they had to remove the brain from the chicken and freeze it, make very thin slices of the brain, photograph those and then make drawings from the photos. The drawings, taken together, form a virtual "Atlas" of the chicken's brain

Because there are no pain receptors in the brain-either of chickens or humans-there is minimal pain to the chicken during surgery. The operation is done by making lateral cuts in the hypothalmus, an area of the brain that controls appetite Ms Mass performed all of the surgical operations on the birds, which show no ill effects from the operation

Ms Mass made the incisions in the medial hypothalmus with some expectation that she would observe an increased appetite by manipulating that structure In rats, for example, if the medial hypothalmus is cut, then the growth rate increases.

In the case of chickens, however, "we did not get a significantly greater growth rate," Kuenzel said "Instead, body growth was suppressed"

However, the large red comb that normally tops the heads of mature roosters developed "much earlier than normal," Kuenzel said "Yes, it was a 'red flag' for us It indicated that perhaps

(Turn to Page D10)


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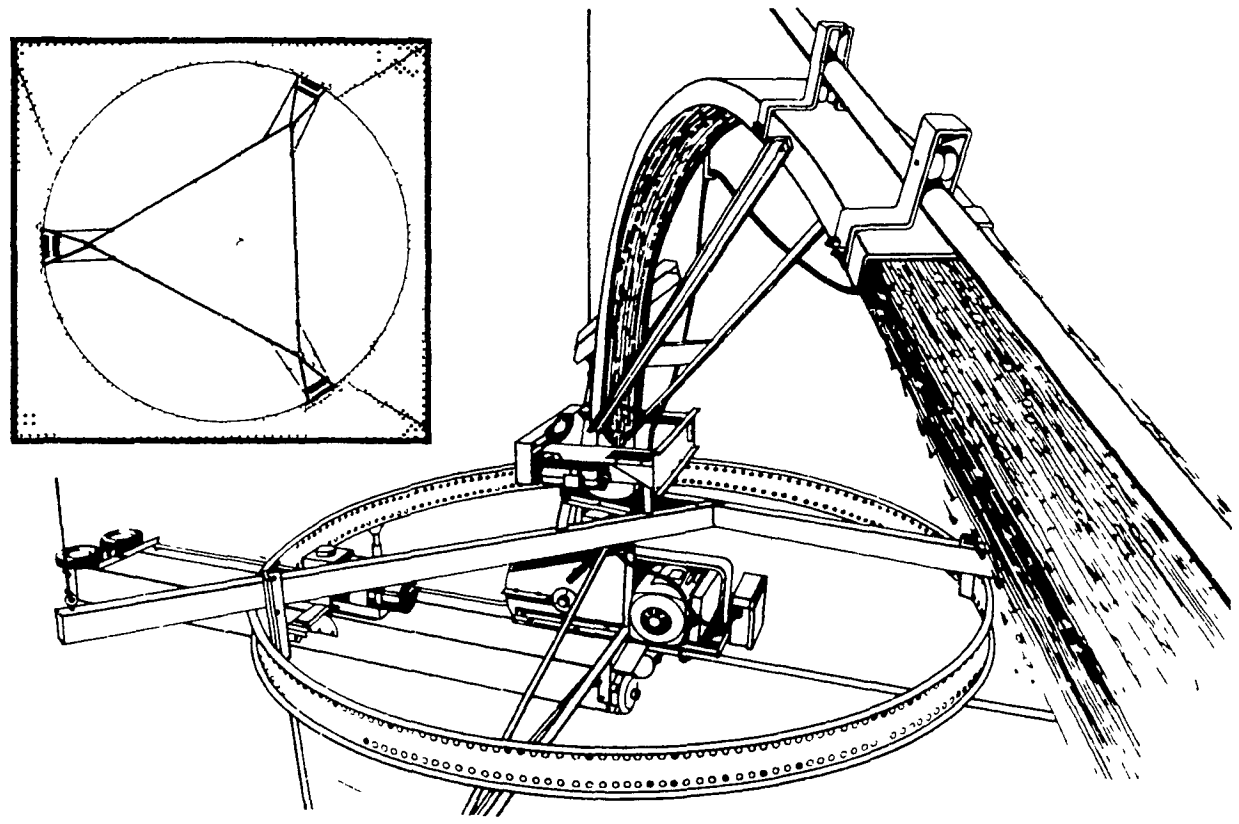

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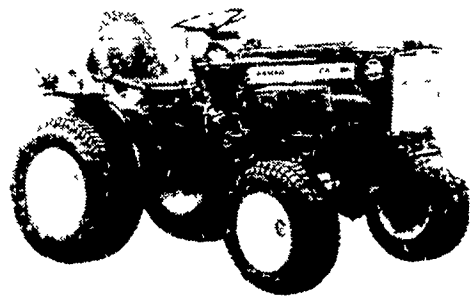

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# Now—mechanical harvesting for broilers

SALISBURY, Md — Mechanical harvesting of broiler chickens produce more high-quality carcasses at substantial economic savings and is more humane than hand catching

This is the finding of a University of Maryland Agricultural Experiment Station agricultural engineer studying mechanical alternatives to the traditional methods of hand-catching and loading broilers

Assistant professor Ali Farsaie and his colleagues designed and tested two mechanical devices for catching and loading broilers in response to the growing desire for methods that are less costly, less damaging and that require fewer men than the traditional method Currently broilers are caught and loaded into chicken coops by hand.

In one test, broilers were caught by scoop on a front-end loader An average of 55 broilers were caught with the scoop and carried to the bed of a live-haul truck There, they were gently removed one by one and placed in chicken coops

Another group of broilers were gently picked up by hand and placed into crates inside the broiler house Eighty-eight crates were caught by the front-end loader method and 84 were caught by hand The broilers sustained less bruising from the "scoop" method than they did by the traditional method

In the other test, broilers were caught by the scoop attached to the front-end loader and then dumped onto a long conveyor They moved along the conveyor to the truck, where they were hand-loaded individually into coops

One hundred crates of broilers were loaded using this method, while another 104 crates were loaded by hand Again, the broilers sustained less bruising from the scoop and conveyor method than they did by the traditional method

The mechanical broiler harvesting system - which is still under development - will require nine men, two less than the normal 11-man crew used in traditional hand-catching procedures. Farsaie estimates that about $11,000 per man will be saved annually

Furthermore, less bruising will produce a corresponding increase in the number of Grade A broiler carcasses, Farsaie says This development would increase profits by about $22,500 per year for one operation alone and would save the Delmarva poultry industry an estimated $1,940,000 per year

# Chicken maturity

(Continued from Page D9)

the reproductive system is stimulated "

Sure enough, closer examination of the chicken showed that its testes were huge, about the size of a chestnut, compared to the normal kidney-bean-sized testes

Still, the bigger surprise came when the researchers were able to milk the nine-week old male for semen Normally, semen production does not begin until broiler breeders are about 20 to 24 weeks old and weigh about 400 grams

The chickens that had undergone the operation weighed about one-fourth of that (1,200 grams) "and it seems that the ones Ms Mass cut are going to remain lighter in weight throughout their development," Kuenzel said

"I was surprised," he said "The operation apparently stimulates the onset of development of their reproductive system-it brings them to sexual development much sooner than normal "

Just why this is so is a question Kuenzel is studying right now "We're trying to determine much fiber tracks (connections that carry messages from one nerve cell to the next) in the brain were severed," he said "They are patterned through the brain, so, hopefully, we can identify which ones were cut by the surgery Right now, we don't know "

The implications of the research are promising With sexual development coming much earlier than normal, roosters can begin breeding much earlier; potentially more chickens can be produced

The operation also appears to offset the problem of unwieldy size among roosters as well as avian leg weakness brought about, in part, by that size The smaller roosters are fully capable of producing sperm, yet are not so big as to have difficulty inseminating the hens

# USDA to monitor for potato nemitode

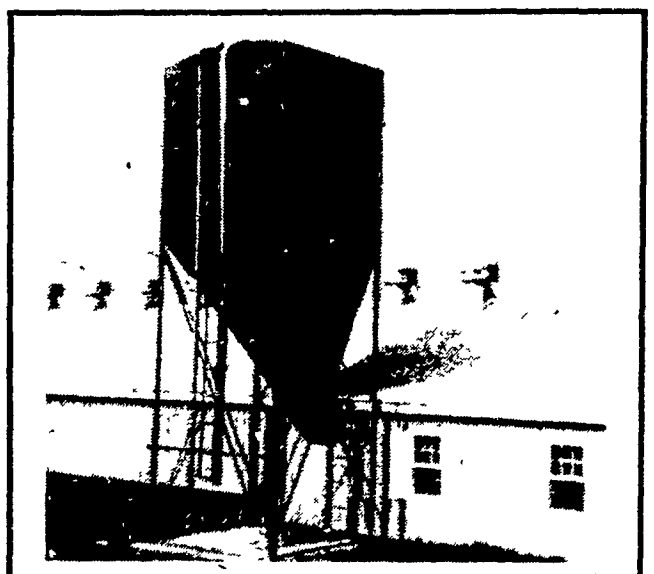
LONG ISLAND, N Y — Areas on Long Island and in upstate New York infested with the golden nematode, a destructive pest of potatoes, will be getting increased safeguards against contamination of soil and water by certain pesticide treatments say U S Department of Agriculture officials

The golden nematode damages potatoes by boring into the roots and robbing the plants of water and nutrients It occurs throughout most of the Old World and South America, but only in isolated areas in North America In the United States it is found only on Long Island and in a small area in upstate New York, centered in Steuben county Aggressive state and federal regulatory and control programs have so far prevented its spread to other U.S potato-growing areas

According to Glen Lee, staff officer in USDA's Animal and Plant Health Inspection Service which administers the federal programs, an environmental monitoring system is being set up to determine what residue levels, if any, remain in soil and water following treatment

"We'll be taking soil and water samples both before and after the treatments," said Lee, and we'll continue with followup sampling at prescribed time intervals Water from wells and ponds and other impoundments, and soil from various depths will be analyzed "

The New York Department of Agriculture and Markets and the manufacturers of the chemicals are cooperating in setting up the program, which is expectd to be ready in time for the coming year's treatment season All data obtained will be available to the public

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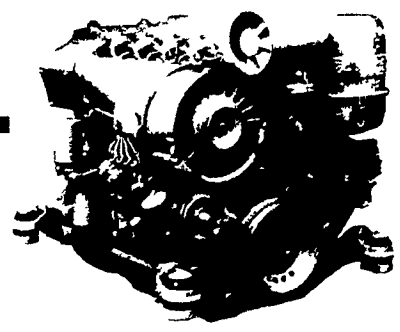

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# Spend a second per bird with your flock

MAYTOWN — The flock manager should spend about one second per bird each day observing each bird in the flock or handling birds, freeing caught birds, removing dead birds or improving ventilation, environment, caring for heat, feed or water and grit

Let's look at cost and returns of spending one second of time per bird per day in the flock, says Penn State Poultry Specialist Herbert Jordan

If you pay a person $4 per hour to manage a flock of birds, then this payment of 6 6 cents a minute, managers cost, and .11 cent per second of time spent So if you spend one second a day for 365 days for one layer-type bird you then spend 365 seconds per year at a cost of 41 cents per year per layer just to observe and manage the flock.

Last year poorly managed layer flocks earned 20 cents per layer per year net income to labor and management, while well managed flocks earned $1 00 per layer per year, net income to labor and management We therefore see an 80 cent per bird improvement in income between poor flocks and profitable flocks So the question is, will you spend 41 cents per layer per year with the risk of earning 80 cents more per layer per year?

Let's look at pullets which grow for 20 weeks or 140 days at one second for flock observation per bird per day or 140 seconds at 11 cent per second cost of manager or a total of 15 cents per pullet in the flock as management cost to look at birds, free caught birds, pull dead birds, care for needs of the bird in environment and nutrition and disease prevention or control

Net income to labor and management per pullet can be 25 cents per pullet so the question is, can you spend 15 cents to earn 25 cents per pullet per batch? Jordan asks

Let's look at meat birds like roasters which grow to 10 weeks of age or 70 days at one second per day or 70 seconds per roaster as observation time of the flock manager

This means if you observe each and every bird for one second per day during the growing period this costs you eight cents per roaster to observe the birds, examine them for health, disease or parasites

Pick up dead birds, weigh live birds, post dead birds so that you keep in touch with disease or health disorders

The real question is, can you afford to spend eight cents per bird to receive a better income when birds are sold? If you hire it done, this one second per bird per day will cost eight cents per roaster sold at 10 weeks of age if you pay $4 00 per hour for a person to manage this flock

If the manager does this himself or herself, then the cost is not eight cents per bird, it is a question of where else can you place your time to earn more or less?

In looking at turkeys, the profit goes up

Let's say you are growing turkeys to 20 weeks or age or 140 days at one second to observe every bird for a second every day Thus we see we spend 140 seconds observing a 20 week old turkey, we therefore hire someone at $4.00 per hour or 11 cents per second or we spend 15 cents more on every turkey on observation time

So the question is, can you spend 15 cents per turkey to improve bird performance, to pick up and post dead birds, to keep feeders, waterers, environment and bird health perfect or as good as you can keep it?

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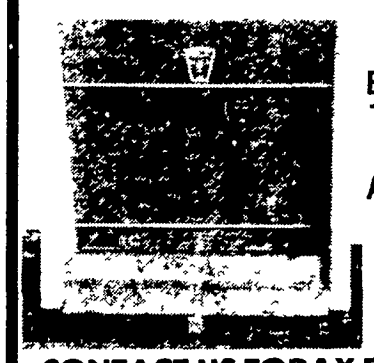

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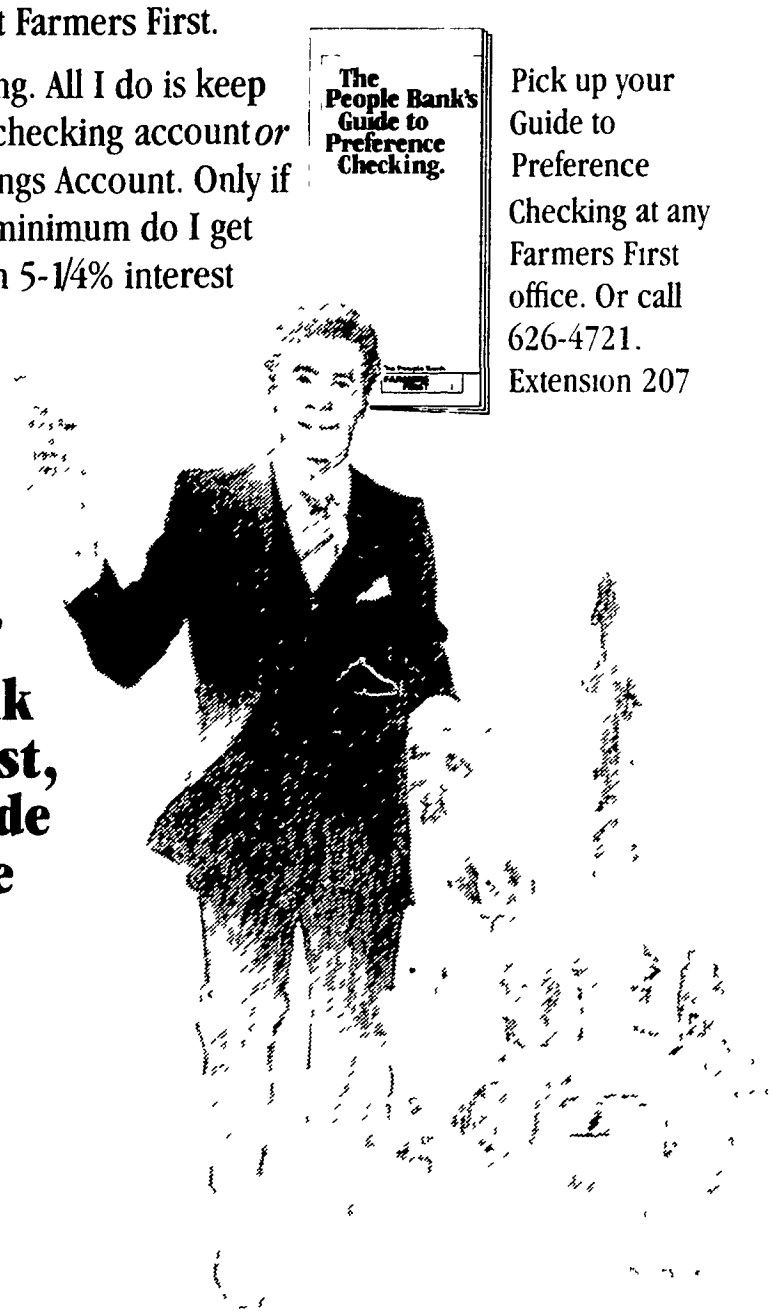


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# Dairy judging team completes fall season

UNIVERISTY PARK — Penn State Dairy Cattle Judging teams competed this fall in four major intercollegiate contests, highlighted by winning fifth place in national competition against 36 teams

The first contest was the Eastern States Exposition held in Springfield, Mass The team was 7th and included Jeff L. Harding of Brookville, Matt W Seipt of Lansdale, Bruce G Kreider of Quarryville, and Lloyd M Pease of Susquehanna

Harding, Seipt, Pease and Lori A Sollenberger of Everett traveled to Harrisburg for the Pennsylvania All-American Judging contest Out of the 21 teams competing, Penn State was seventh.

The team's major accomplishment came at the National Intercollegiate Dairy Cattle Judging Contest in Madison, Wis Here 36 top teams competed, with the Penn State team capturing fifth place Jeff Harding was sixth place individual

The first four teams were Virginia Polytechnic Institute, Ohio State University, University of Wisconsin, and Cal-State University of Fresno

Another team consisting of Kathy J Schiever of Harmony, Bruce G. Kreider of Quarryville, Dan F. Itle of Loretto, and Mark P Bachman of Ulysses competed in the Southern Intercollegiate Dairy Cattle Judging Contest held in Memphis, Tenn The team placed ninth out of 20 teams competing. Dan F Itle was first place individual in the Jersey breed

Coaching the teams was Warren R Poage, supervisor at the Dairy Production Center

# Deer kill cards due

HARRISBURG — Successful deer hunters are reminded that their deer kill report cards must be mailed to the Game Commission at Harrisburg within five days of the date of the harvesting of the whitetail

Those filing the report cards are urged to furnish all of the information sought

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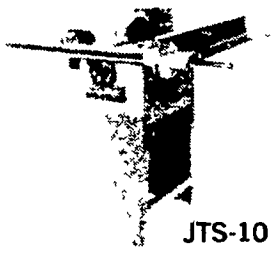

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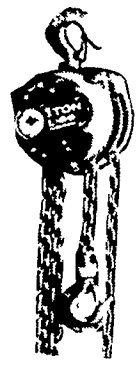

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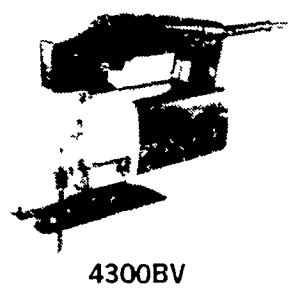

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# Engineer offers guidelines for on-farm alcohol plants

COLLEGE PARK, Md. — Rising costs of fossil fuels and new economic incentives have increased the development of farm-based alcohol plants, says John W. Gird, an extension energy programs specialist and agricultural engineering instructor at the University of Maryland.

Federal loan programs, reduced permit requirements and the availability of commercial systems for producing alcohol fuel have all accelerated the movement, according to Gird

Success of any alcohol production system depends heavily on management ability and knowledge of the operator Even the best-designed production plant will not do its job if the operators does not know the chemistry and microbiology of the system, says Gird.

Alcohol fuel production should not be approached as a simple part-time operation. A farmer should do research and assemble good background information before going ahead.

The Maryland specialist suggests that each of the following factors be carefully investigated and weighed before any on-farm plant is constructed

Type of crop to be planted as a feedstock for producing alcohol fuel;

Amount of time to be spent operating the plant and the effect this will have on other farm operations;

Availability of storage facilities for a wet by-product;

Amount of by-product which must be fed on a daily basis to livestock and the effect this will have on animal performance;

Methods for feeding the by-product and consequent effect on dry feed-handling systems.

Amount and quality of alcohol fuel to be produced;

Necessary engine modifications and costs of engine conversions for utilizing the alcohol;

Effects of off-and-on or seasonal plant operation on overhead costs;

Influence on other monetary investments as a result of investing in an alcohol plant;

Long-term potential of alcohol fuel in reducing energy needs and costs.

More information on alcohol fuel production is available from county Extension offices throughout Maryland; ask for a free mimeographed leaflet titled On-Farm Production and Utilization of Ethanol Fuel (Ag Engineering Facts No 126 of August 1980)

# Strong markets kill barley, wheat payments

WASHINGTON, D C. — The U.S Department of Agriculture will make no deficiency payments on the 1980 crops of barley and wheat, according to John Goodwin, associate administrator of USDA's Agricultural Stabilization and Conservation Service

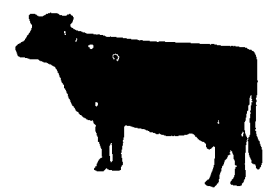
Goodwin said such payments are not required under the 1980 feed grain and wheat programs because market prices have been well above established target price levels of $2.55 for barley and $3.63 for wheat

During the June through October marketing period the national average market prices were $2.59 per bushel for barley and $3.89 per bushel for wheat

Goodwin also said the final 1980 national program acreage for barley has been increased from 7.9 to 8.3 million acres and the national program acreage for wheat has been increased from 70 to 75 million acres The national program acreage represents the number of acres of a crop needed to meet estimated demand and assure desirable carryover levels, Goodwin said.

He said the allocation factor for both wheat and barley is 100 percent The allocation favor is computed by dividing the national program acreage for a crop by the harvested acreage.

If 1980-crop deficiency payments for corn and sorghum are required, they will be made next April, Goodwin said.



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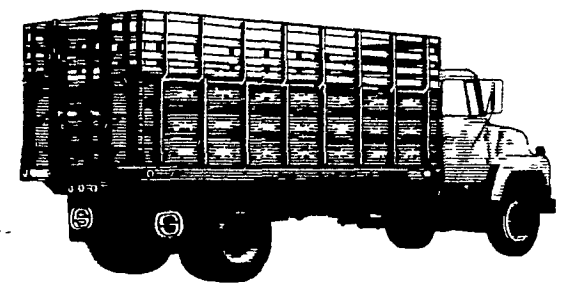

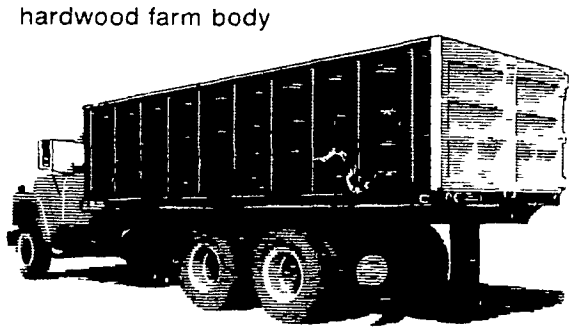

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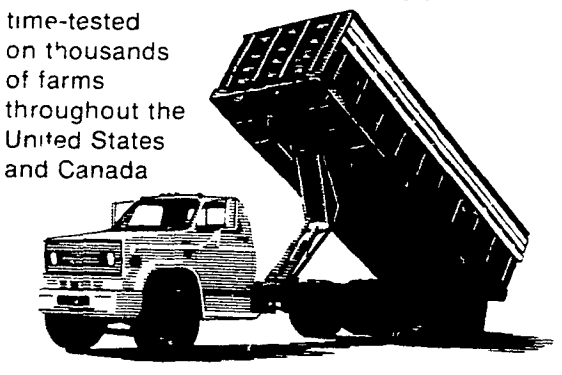

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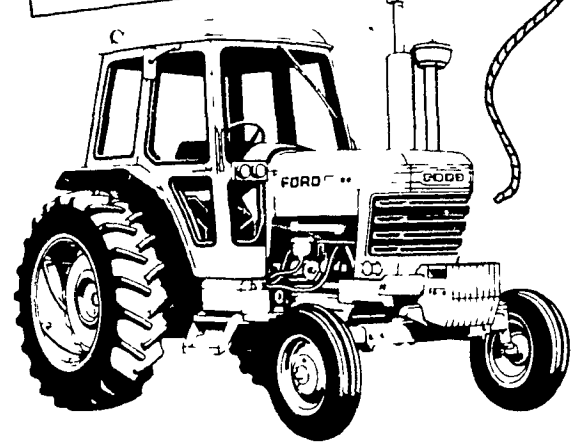

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# Farmers asked to comment on 1981 meat imports

WASHINGTON, D C — Under Secretary of Agriculture Dale Hathaway last Friday said the public will have 30 days to comment on a proposal which would permit meat imports to continue to enter the United States without restriction

"Current estimates of meat covered by the Meat Import Act are 1420 million pounds for 1980 and 1,458 million in 1981, without restrictions in either year," Hathaway said The quota for 1981, according to the Meat Import Act formula, is 1,315 million pounds, and the meat import trigger level is 1447 million — 110 percent of the quota

"A meat import estimate above the trigger level requires limits be imposed, however, the president may suspend limitations when the supply of cow beef is below the previous five-year average, which is the case this year Therefore, the choice for 1981 is between negotiated voluntary restraint agreements with meat exporters at a level slightly below the trigger level of 1447 million pounds, or permitting meat to continue to enter without restriction," Hathaway said "This basic choice is available to the president now and will be available in March and June of 1981, when the next estimates are made"

Hathaway said the difference of about 20 million pounds between voluntary restraints and a continuation of unrestrained imports in 1981 is too small to quantify any impacts one either producers or consumers

"World meat supplies remain tight," Hathaway said, "and we do not expect substantially larger quantities of meat to be available to enter the United States in 1981 than were available in 1980. While current estimates indicate that imports may exceed the trigger level, estimates are revised quarterly based on actual data A year ago the estimate of meat imports was 1650 million pounds in the absence of restraints, but the current estimate of 1980 imports is only 1420 million pounds"

The notice of intention to suspend meat import quotas was published in the Federal Register Comments should be sent to Under Secretary Dale E. Hathaway, International Affairs and Commodity Programs, room 6616-S, USDA, Washington, D C, 20250, and will be considered before final action is taken

All comments received will be available for public inspection at this location during regular business hours Copies of an impact statement are available at the above address upon request

# *Farm Bureau sets membership record*

PARK RIDGE, IL — Membership in the American Farm Bureau Federation passed the three and one-quarter million mark when the year's final figures were released here Monday by Robert Delano, AFBF president

With 3,297,224 member-families in 2842 counties in 49 states and Puerto Rico, Farm Bureau is by far the largest of all general farm organizations Membership surged by 98,593 new members in 1980, making this the 20th consecutive year of continuous, substantial growth, Delano said

The 62 year old American Farm Bureau is a voluntary, dues supported federation of affiliated state Farm Bureaus

Illinois Farm Bureau, with 290,544 member-families, edged out Indiana this year as the largest state Farm Bureau Five other states have memberships exceeding 200,000--Indiana, 276,408; Texas, 263,218, Alabama, 231,590; Tennessee, 213,031, and Kentucky, 212,580.

State Farm Bureaus with 100,000 or more members include North Carolina, 186,064; Iowa, 147,140, Mississippi, 134,837, Georgia, 125,882, Kansas, 110-280, and Arkansas, 107,835

Pennsylvania has 22,500 members


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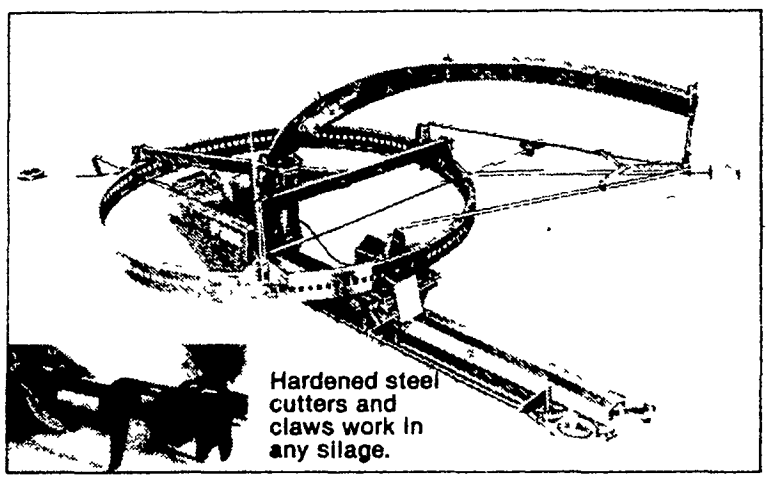

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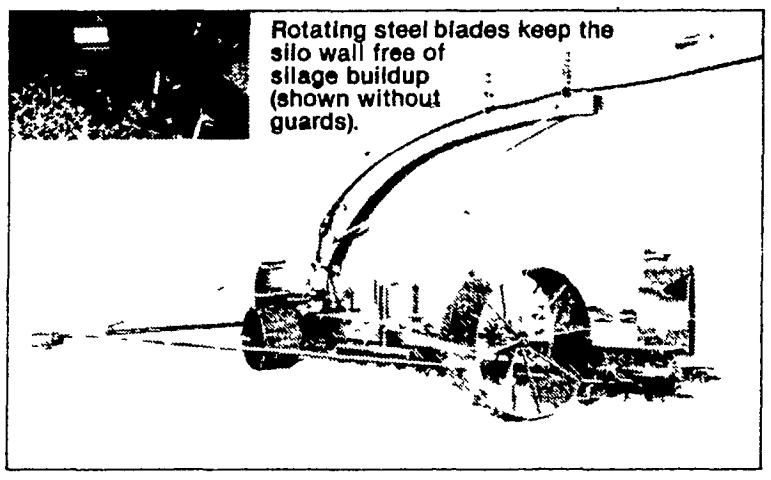

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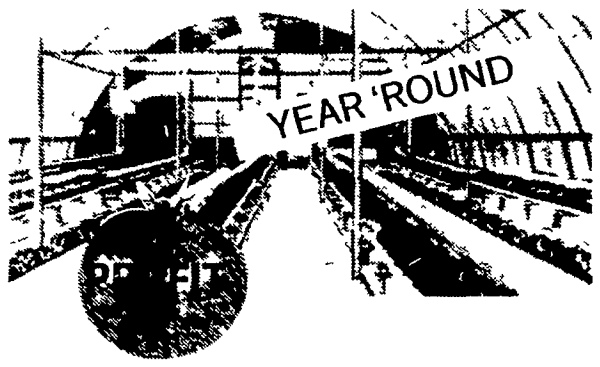


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# Grain inspection fees to increase

WASHINGTON, D.C. — Fees for original inspection and official grain weighing in the United States will increase on January 4, a U.S. Department of Agriculture official said Monday.

The new hourly fees per USDA employee for original "online" grain inspection — online means the sample was taken from a moving stream of grain — and for weighing services will include:

—$13 for contract services and $16 for non-contract services on regular workdays, an increase of $1 80 and $3.20, respectively; and

—$16.60 for contract services, and $20 for non-contract services during nights, weekends and holidays, an increase of $2.20 and $4, respectively

Leland E Bartelt, administrator of USDA's Federal Grain Inspection Service, said the present fees did not earn enough revenue during the past fiscal year to cover costs of providing the services.

"These changes are being made to equate the fees as closely as possible with the costs of providing services, and to maintain a nominal operating reserve, as required by the U S Grain Standards Act," Bartelt said.

Inspection fees for other than online inspection services will be $7 80 for each truck or trailer, presently $6.50; $12 each for boxcars, now $10; $16.25 each for hopper cars, now $13.50; and $3 per 1,000 bushels for inspecting grain in barges, now $2.50 Under the new fee schedule, standby fees for other than online original grain inspection services in trucks, boxcars, hopper cars and barges will not be assessed for any consecutive 30-minute period.

At present, standby fees are authorized in all cases except when the services are performed under contract. FGIS is also increasing — from $1.50 to $2.50 per hour — the amount it will reimburse official inspection agencies, upon request, for providing a file sample required for appeal inspection purposes.

Under the new schedule, when hourly rates apply, FGIS will charge a minimum fee when the request for service is cancelled after FGIS employees arrive at the service point, or when two hours or less is required to do the job.

A minimum fee is now charged only when the service request is cancelled after employees arrive at the service point

Fees will not increase for appeal inspections and reinspections performed by USDA in the United States. All fees in Canada will remain the same, he said

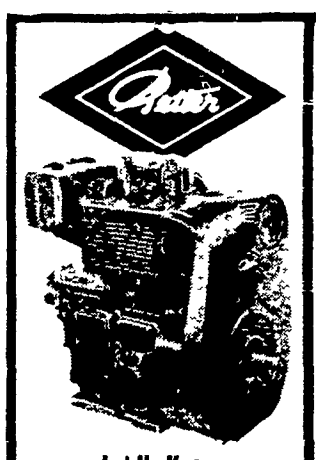
Bartelt said the changes in weighing fees do not reflect the impact of Public Law 96-437, which removed the requirement for official weighing of most grain coming into export elevators at export port locations. FGIS will reevaluate the weighing fees when there is sufficient data.

"Weighing fees had not changed since December 1978, when FGIS reduced them by 20 percent," Bartelt said. "Some inspection fees were reduced by 12 5 percent at the same time"

Details of the fee increase were published in the December 1 Federal Register.

Copies of the impact statement describing the options considered may be obtained from the issuance and coordination staff, room 1127 Auditors Building, FGIS-USDA, Washington, D.C , 20250 Telephone 202/447-3910.

Copies of the new fee schedule and further information may be obtained from John W Marshall, director, inspection division, room 0627 South Building, FGIS-USDA, Washington, D C , 20250, telephone 202/447-8497; or from George T Lipscomb, director, weighing division, room 3117 Auditors Building, FGIS-USDA, Washington, D C 20250, telephone 202/447-4851

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# PSU student council visits ag department

HARRISBURG — Funds from the Pennsylvania Department of Agriculture help support research within the Agricultural Experiment Station at Penn State.

This type of cooperation was to be examined by the Agricultural Student Council of Penn State during a Leadership Day trip to Harrisburg on Thursday.

About 50 members of Penn State's Agricultural Student Council, and 10 members from the Delaware Valley College of Science and Agriculture, journeyed to the State Capitol to meet with Penrose Hallowell, secretary of agriculture.

"Visiting the Department of Agriculture and its associated bureaus will enable students to see first-hand how the department is organized and functions in the Commonwealth," says Anthony M. Jasienski of Avondale, president of the Student Council.

After meeting with Secretary Hallowell, the group spent an afternoon talking to the agricultural leaders of the House and Senate and the directors of various bureaus.

Faculty advisors attending from Penn State were Donald E. Evans and Roland R. Daniels.


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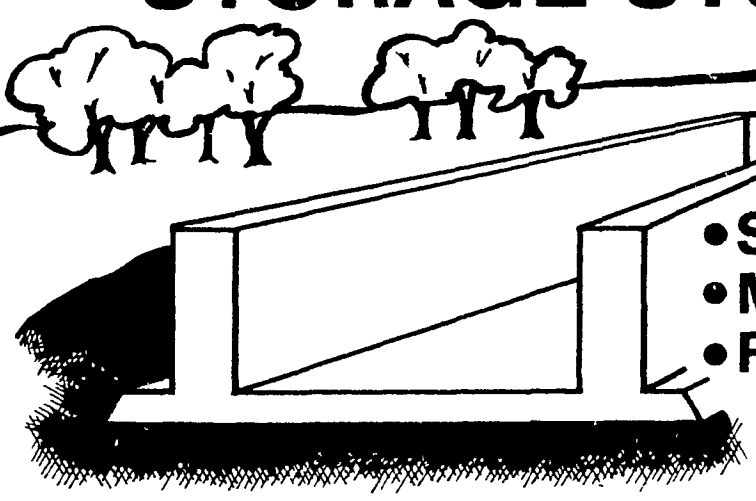

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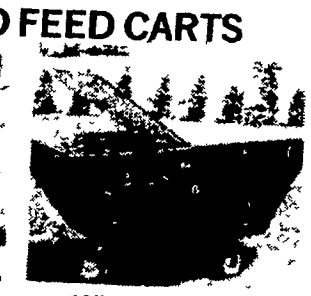

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# Estate planning could save your family farm

CLAYTON, Del — Your life style may not show it, but if you're a farmer with more than 400 acres, you could well be a millionaire—at least on paper.

As of February 1980, the average Delaware farm was worth $2018 an acre counting land and buildings And when it comes time to pay the inheritance taxes on your estate, every penny of that paper value gets counted

"Unless you do some planting while you're alive,' warns University of Delaware extension farm management specialist Dr Don Tilmon, "the tax burden on your heirs could be horrendous " He's concerned because he feels that a lot of heirs of Delaware farmers haven't taken the steps needed to spare their families this potential tax drain on the estate they inherit

You may have gone along working hard most of your life, trying to buy a farm, pay for it, and make a living on it Suddenly you're worth a lot more than you ever dreamed It doesn't matter that your estate is based largely on rising values and that you've never felt the fruits of this prosperity

"That's the kicker," says Tilmon "If you had $650,000 in certificates of deposit, you'd be netting somewhere around $65,000 a year "

But a $650,000 farm — that's roughly what the average 325-acre farm spread is worth in Delaware these days—doesn't net that kind of money Depending on the weather, some years you may not even make all your payments Other times you may have a good harvest and earn more than your family actually needs The trouble is, it's never quite certain

When was the last time you took a close look at the value of your farm?

You could find yourself with an estate so big that, if you don't make some plans now, a large part of it will go to taxes

The more you're worth, the more you need estate planning, says Tilmon Yet ironically, the less likely it is that someone will feel free to broach the subject to you—especially a child

How can your family say to you, "Hey, we need to talk about what we're going to do with the farm when you die " It sounds so callous, somehow But the reluctance to discuss estate planning could cost a farm family potentially thousands of dollars

If this sounds extreme, consider this. A farmer with an estate of $650,000 who fails to make the proper arrangements for the transfer of his estate to his wife and children before he dies could well leave them saddled with a tax burden which—by the time his wife dies, too—amounts to around $156,000

Had the same farmer and his wife established a marital trust during his lifetime, half of their estate would have gone to her after a $40,800 tax, while the other half could have passed directly to their children tax free. And income off that trust would have been available to his widow throughout the rest of her life

In an emergency, even the principal could be drawn on so that she would always be well-cared for What's more, this kind of advanced planning could have saved his family close to $116,000 in estate taxes

Even if you know your heirs don't intend to continue farming, a well-thought-out estate plan can drastically reduce their tax burden when you die

Many farmers haven't taken the steps to spare their families this kind of estate shrinkage. Others may have considered doing something but have taken no action Even if they have a will, it probably needs updating

To encourage Delaware farmers to take a closer look at their own estate plans to acquaint them with all the various options open to them, Tilmon will hold a series of community meetings around the state this winter on the subject of estate management.

Meetings are scheduled as follows: Clayton (Jan 26), Lewes (Jan. 27), Harrington (Jan. 28), Middletown (Jan. 29), Dover (Feb 2), Newark (Feb. 5 ), Frankford (Feb 9), and Georgetown (Feb 11.). Check with your county extension office for times and locations, or call Don Tilmon at 302/738-2511.

The meetings are designed primarily for full-time farmers. But they should also be of interest to local lawyers, tax accountants, and other professionals commonly involved in estate planning


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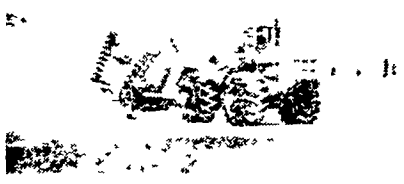

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# Scientists to hold public hearing on nitrites

WASHINGTON, D.C. — The National Academy of Sciences will hold a public meeting on nitrites and alternative curing agents in Washington on January 22, a U.S. Department of Agriculture official said Thursday.

Donald L. Houston, administrator of USDA's Food Safety and Quality Service, said the meeting will be held in the National Academy of Sciences' auditorium, 2100 C St., N.W., from 10 a.m. to 3 p.m.

"The purpose of the meeting is to receive information from individuals and organizations on health risks and benefits of nitrites and nitrates and on the status of research on alternatives to nitrites," Houston said.

The meeting is part of a study of the nitrate issue by the National Academy of Sciences' National Research Council Committee. USDA and the U.S. Department of Health and Human Services' Food and Drug Administration asked the committee to study nitrites.

"We anticipate the report on the health and risk benefits of nitrites will be issued in November of 1981 and the report on alternative curing agents in February of 1982," Houston said.

Nitrites are used in cured meat products to prevent botulism poisoning. However, the safety of nitrites has been the center of controversy since a 1978 report suggested it had carcinogenic effects in animals fed the preservative. In August 1980, FDA and USDA determined there is insufficient evidence to support the researcher's report. Nevertheless, nitrites have not been given a clean bill of health.

Those wishing to make an oral presentation at the Jan. 22 meeting should contact, by December 15, Robert A. Matthews, National Academy of Sciences, 2101 Constitution Ave., N.W., Washington, D.C. 20418. Telephone. 202/389-6085. Written comments should be sent to the same address.

Notice of the January 22 meeting was published in the December 2 Federal Register, available in many public libraries.

# Names pesticide manager

WAYNE, NJ — Cyanamid's Agriculture Division has appointed Mr Donald McAghon regional manager of the Pesticides Department's recently established Eastern region.

In his new position, he assumes responsibility for the sale of pesticide products in the eastern coastal states from Maine to Florida, including Pennsylvania and New York.

Since joining the company in 1975 as a pesticide sales representative, McAghon became market development supervisor in the Midwest region which led to his most recent position as district manager of the Omaha district.

McAghon received his BS in agronomy from Delaware College of Science and Agriculture in 1974. He served in the U.S. Army for two years in Military Assistance Command, where he was presented with the Army Commendation Award for Valor.

A native of Milford, New Jersey, he and his wife, Claire, reside in Raleigh, North Carolina.

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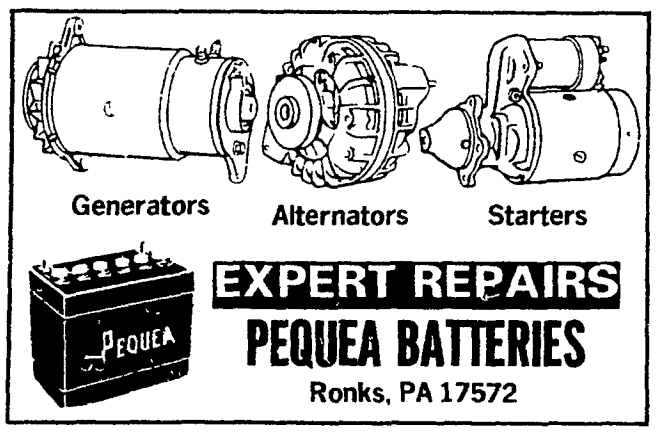


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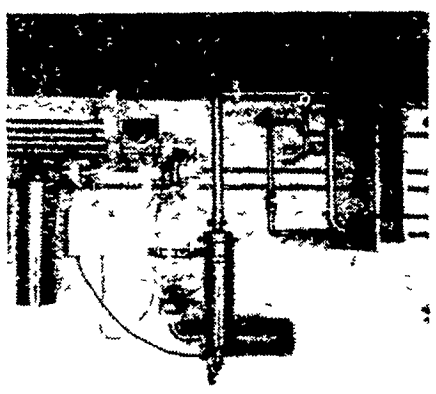

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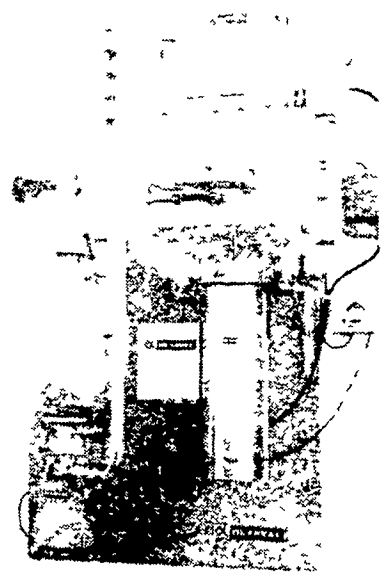

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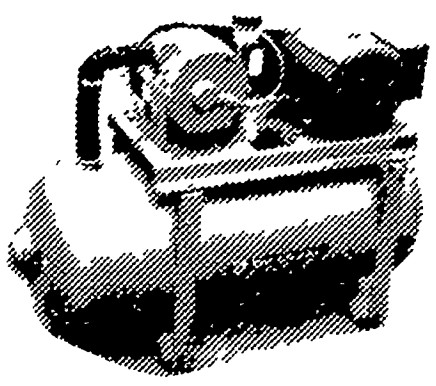

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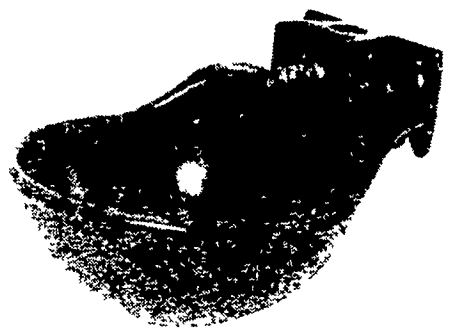

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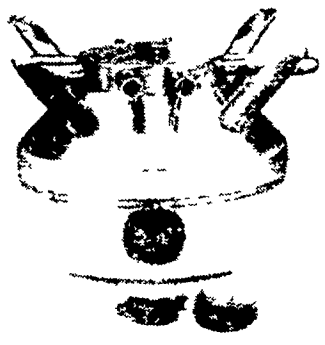

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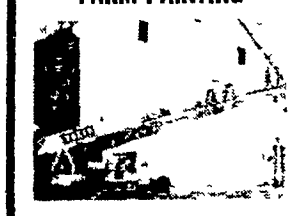

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# No set-aside needed for 1981 feed grain program

LANCASTER — For the second year in a row, U S feed grain producers will not need to set aside acreage to be eligible for the farmer-owned reserve, commodity loans and target price protection, according to Paul B. Kline, Chairman of the Lancaster County Agricultural Stabilization and Conservation Committee

"Feed grain producers need only to be sure they plant within their normal crop acreage on all farms in which they have an interest to be eligible for program benefits in 1981," Kline said

The normal crop acreages are currently under review and may be adjusted in cases where appropriate to more adequately reflect farmers' current cropping programs and the application of best farming practices, Kline said

Jim Williams, Deputy Secretary of Agriculture, said· "With world coarse grain production likely to be down slightly from last year's crop and the demand for grains continuing to rise, the U S Department of Agriculture expects a drawdown in stocks and higher prices

"The provisions of the 1981 feed grain program will allow U S farmers to respond to domestic and world market requirements but still provide them with price and income protection," Williams said

Chairman Kline says producers should remember the importance of good farming practices as they plan for 1981, and he recommends against bringing fragile lands into production. Farmers who plant these lands in 1981 will not have this acreage added to their farms' normal crop acreage in subsequent years

Price support loan will be at least $2 25 for corn and other feed grain loan prices would be based upon a feed value relationship to corn

Feed grain target prices for 1981 crops will be announced next spring but will be at least equal to the 1980 levels of $2.35 per bushel for corn, $2 50 per bushel for sorghum and $2 55 per bushel for barley

To qualify for full target price protection, farmers cannot plant more corn, sorghum or barley in 1981 than was considered planted in these crops this year Farmers who exceed this acreage will be subject to an allocation factor that can reduce their target price payment, if any, by up to 20 percent

National program acreages of 90.1 million acres for corn, 15.4 million acres for sorghum and 9.7 million acres for barley have been announced. The national program acreage is the number of acres for each crop needed to be planted to meet projected domestic and export requirments, as well as provide for an adequate carryover


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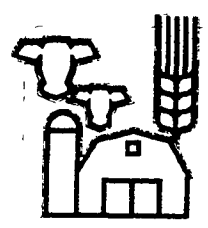

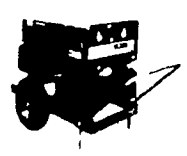

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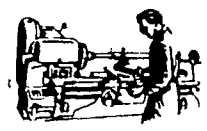

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# Wenger sees expansion of direct farmer-consumer marketing

READING — State Rep. Noah W. Wenger, of Stevens, Lancaster County, recently told the Farmer to Consumer Services Association that he expects to see expansion in direct farmer-consumer marketing.

Wenger, speaking at the annual dinner of the Association in Reading said, "Farmers have been forced into trying new and innovative marketing approaches in an attempt to remain solvent. Direct farmer to consumer marketing usually allows producers to pocket a larger share of the food dollar, and while it brings its own set of problems, it has been successful for some farmers."

Wenger spoke about the importance of agriculture to Pennsylvania, calling it "the bright spot in our present economy, even with this year's drought." He said "Pennsylvania Agriculture - - We're Growing Better is a reality I intend to fully support Pennsylvania agriculture as it works to become the state's leading industry in 1981. We have the opportunity to expand agriculture in Pennsylvania to satisfy the demand for food in the northeast and in foreign markets The existence of this local source of food is important to all Pennsylvanians as a buffer against increased costs of transportation, energy and crop failures in other regions of the nation We are fortunate that Pennsylvania agriculture growing better."

Noah Wenger

Wenger, vice chairman of the State House Committee on Agriculture and Rural Affairs told farmers at the dinner, "Government must work with, encourage and compliment individual initiative in the free enterprise system-helping people help themselves."

Following Representative Wenger's talk, Association President Richard Solly, of Solly Brothers' Farm Market in Ivyland, Bucks County, announced the nomination of two new members to seats on the board of directors.

Nominated were Donald Haldeman, owner of Sycamore Springs Fruit and Vegetable Farm in Leesport, Berks County; and Byron Hawthorne, owner of the Hawthorne Farm and Orchard Market in Phoenixville, Chester County.

Solly also noted at the annual dinner meeting that funding for the Association has been extended to June 30, 1981 and hopefully will be extended to the end of the next growing season, toward the goal of being self-sufficient.

# Most country crime goes unreported

LANCASTER — Country crime is worse than law enforcement statistics reveal because of "massive underreporting" of the crimes.

A study just completed of four Missouri counties showed nearly one-fourth of the households sampled had been crime victims during the year preceding the study Some 15 percent of the 411 households surveyed had experienced theft; eight percent vandalism

Of those victimized by theft only 37 percent reported the thefts

According to the University of Missouri-Columbia scientists who conducted the study, underreporting of rural crime appears to be a national problem In 1978, for example, the FBI Uniform Crime Index reported only one out of every 92 Missouri residents was a victim of serious crime Yet, the UMC study would indicate a crime rate at least ten times as high.

The FBI index included robbery, assault, burglary, theft, rape and murder, but did not include vandalism

While the exclusion of vandalism explains part of the differences between the FBI index and the recent Missouri findings, said the scientists, it's still quite evident that many crimes go unreported for fear of reprisal or for some other reason.

The study was conducted by the UMC Departments of Community Development, Sociology and Rural Sociology in Holt County (northwest Missouri), Knox County (northeast), Morgan (south central) and Stoddard County (southeast Missouri) Morgan County was selected because it's in the Lake of the Ozarks region and would indicate if there's any effect of owner absenteeism on crime rate.

"We found no difference in crime rate from one area to the other," said Bryan Phifer, director of UMC's Community and Public Sector Programs

"Also, we found no direct correlation between crime rates in open country households and small town households within the same county. The best example was in Bloomfield.

It had the lowest rate of victimization among the small towns—even though it's in Stoddard County which had the highest rate of open country victimization."

Phifer and his colleagues said the open country residents who have been victims of crime "are surprisingly no more likely to take precautions to prevent crime than those open country residents who have not been victims."

In their report, "Rural Crime in Missouri," the scientists said: "Clearly these patterns of infrequent reporting and neglect of precautions suggest the need for citizen education programs."

They went on to say that one of the most effective measures to combat crime in both urban and rural areas is the organization of "neighborhood crime watches"

Other effective measures for reducing crime, said the scientists, were reporting of suspicious and criminal activity to law enforcement officials and marking property.


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# Nissley wines awarded 11 medals

BAINBRIDGE — Nissley Vineyards, of Lancaster County, has received 11 medals for eight of their vintage wines following the Wineries Unlimited Eastern Wine Competition.

A gold medal went to Nissley's 1979 Aurora — one of 22 wines which received gold medals out of 633 total wines entered.

According to Craig Goldwin, wine critic for the Chicago Tribune and one of the event's 25 wine judges, "The gold medal winners in the competition are truly world glass wines, as good as any in the world of the same style."

Dick Nissley, owner and active winemaker for Nissley Vineyards, accepted the medals at the awards banquet held at the Host Farm Resort, Lancaster, on Dec. 4, as part of the three-day Wineries Unlimited conference

"We were very pleased to win so many medals," said Mr. Nissley "We were competing with producers who have been making wine for many more years than we have."

The Nissley family opened their winery in July, 1978 with 7,000 gallons of wine from their first grape harvest of 1977. A total of 30,000 gallons of wine now fill their tanks from the 1980 harvest

The increase in production is due in large part to an increase in demand. "We certainly don't want to disappoint people who travel 20 miles or more to get the wine," said Nissley. The Nissley wines are available only at the Nissley winery which is located near Bainbridge among the rolling farmland hills of the Susquehanna Valley

Nissley planted his first vines in 1972 at the encouragement of his son, John, who now is the vineyard manager. The 23 acres of vines include three acres of vinifera and 20 acres of French-hybrid grapes. All of the wines entered in the competition were made from the French-hybrids

Nissley also picked up three silver medals for Bainbridge White '79, Aurora '79, and Susquehanna White '79.

Keystone Kiss '79 won a bronze medal and was judged "Best of Class" as was Classic White '79. In addition, bronze medals were awarded to Bainbridge White '79; Colonnade '79, Bainbridge White '79; and Chelois '79.

Of 250 wine producers East of the Rockies, 70 entered wines in the competition. Nissley tied with Wiederkehr, of Arkansas, for the highest number of medals awarded to an eastern winemaker.

Gold medal wine is shown by Dick Nissley, left, owner and winemaker of Nissley Vineyards, Bainbridge, Lancaster County, to John Syndinos, of Lancaster.

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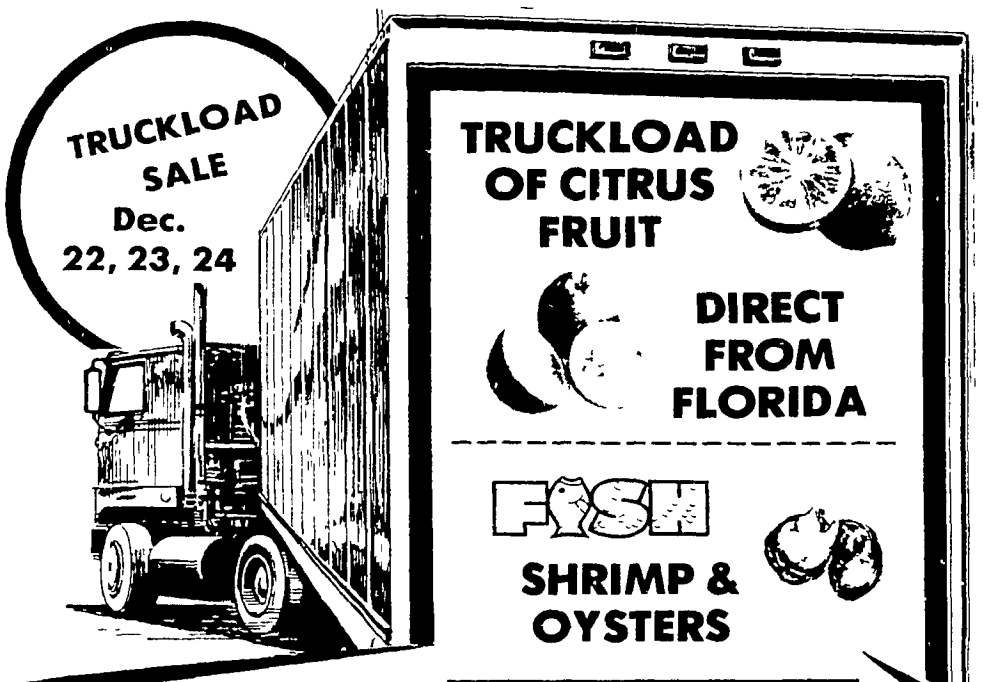
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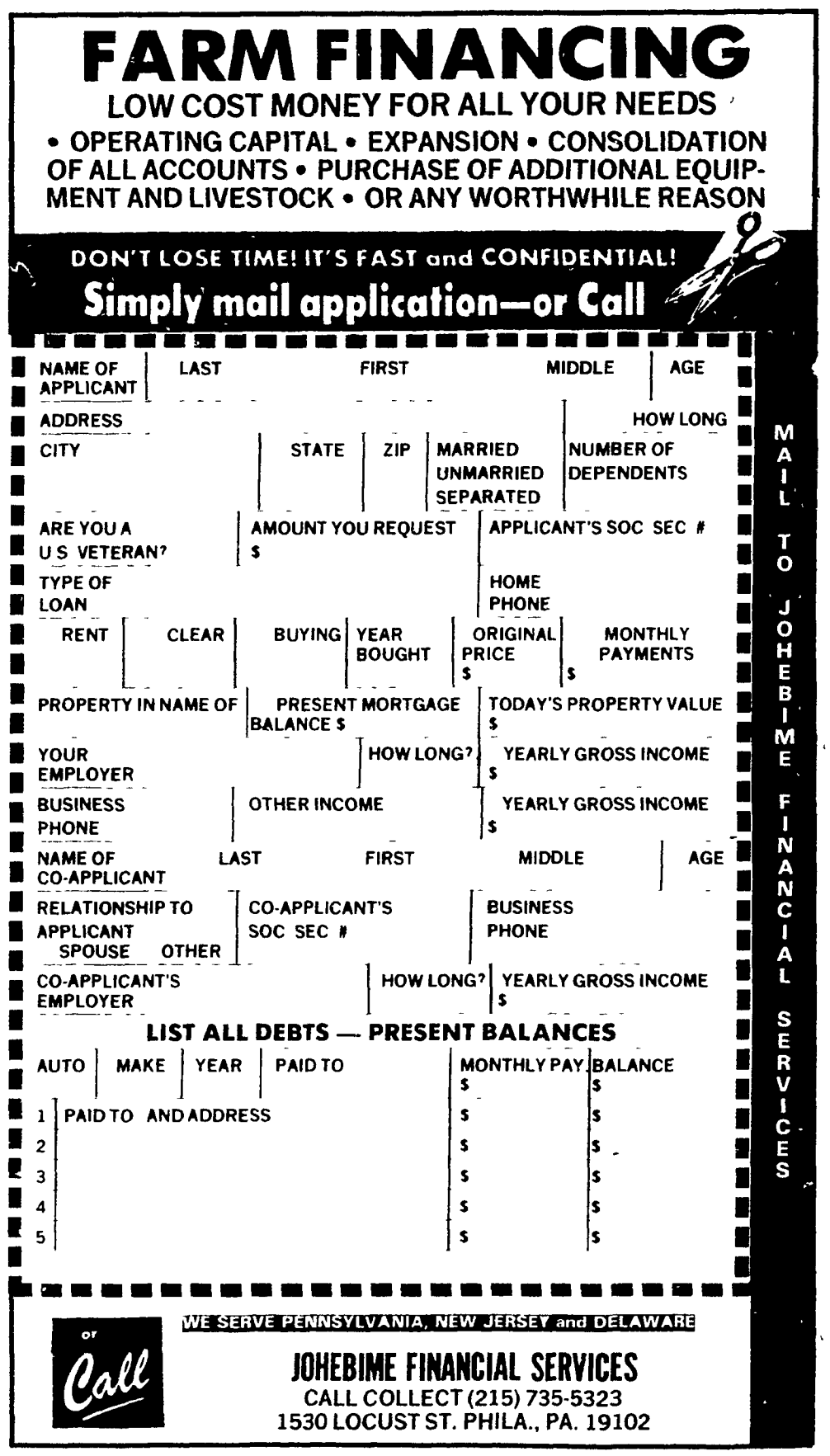

*From Kansas City, Mo. show*

# Pa. Charolais breeders bring home banners

KANSAS CITY, Mo. — Pennsylvania Charolais breeders brought home championship banners from the American-International Charolais Association Area 6 Roll of Excellence Charolais Show, held recently during the 82nd Annual American Royal Livestock Show

In the female division, Royal Charolais Company, Youngwood, nailed down Senior Champion and Grand Champion Female with RCC Royal Temptress 2927. This classy spring yearling, daughter of HCR Expectation 269, is the reigning National Reserve Grand Champion Female.

In the bull show, a Royal-bred bull claimed the Reserve Grand Champion's banner. Reserve Senior Champion, RCC Royal Jaguar is owned and shown by Walter E. Heistand, Manheim, with Royal Charolais retaining one-quarter interest Jaguar was selected as the Grand Champion and Senior Champion at the Eastern National Livestock ROE Show in Timonium, Maryland this past September. According to Heistand, the bull has never placed below reserve champion at any show during his career.

J.C Enterprises, Ringgold, saw their Riverwood Jupiter 2509 take honors as Calf Champion Bull.

The Grand Champion bull, ABC Iceman 811, was exhibited by Frank Wesson, Wesson Charolais, Inc , Koshkonong, Missouri, co-owned with ABC Ranch, Martinsburg, Missouri; J Bar J Ranch, Holts Summit, Missouri; and Windy Hills Charolais, Commerce, Georgia.

MF Ms Courage 217, a January 7 Courage daughter, won the Junior Champion Female and Reserve Grand Champion Female awards. She is co-owned by Vic Gentry, Gentry's Double Hook Ranch, Whitman, Nebraska, and Miller Farm, Osceola, Iowa.

RER Royal Hanna L270 was the Reserve Junior Champion Female for Rainbow's End Ranch, Douglas, Arizona.

Reserve Senior Champion Female honors went to BR Nancy 131, owned by Darold Bauman, Bauman Ranch, Inc., Carpenter, Wyoming.

Reserve Calf Champion Bull winner was Riverwood Jackpot 1969 from Sandy Creek Farms, Ravenswood, West Virginia.

Junior Champion Bull award to WC Gen Blastoff 9018, owned by Wesson Charolais Inc , Koshkonong, Missouri.

Reserve Junior Champion Bull award was earned by ACF Nautilus 19, owned by Adams/Page/Darby/Stenson Springfield, Ohio

Judging the show was Chuck Drum, manager of Canada Coal Company, Morehead, Kentucky. Sixty Charolais exhibitors from twenty-six states participated.

Show results are as follows:

**FEMALES**

**Jr Calves**

1 Gentry s Double Hook Ranch and Miller Farm Junior Champion and Reserve Grand 2 Bauman Ranch Inc 3 Hibbert Polled Charolais Camp Point Illinois 4 J C Enterprises 5 Julie Grimes J Bar J Charolais Ranch Holts Summit Missouri

**Winter Calves**

1 Rainbow s End Ranch Reserve Junior Champion 2 Alex A Stauffer Silver Creek Farms Blue Mounds Wisconsin 3 Gentry s Double Hook Ranch and Miller Farm 4 Sharla K Adams and Shallow Creek Charolais Fort Sumner New Mexico 5 Wesson Charolais Inc

**Sr Calves**

1 21 Ranch and JCL Cattle Co Chickasha Oklahoma 2 Hubert Charolais Panch Richards Missouri 3 Bauman Ranch Inc 4 Wesson Charolais Inc 5 Royal Charolais Co

**Late Summer Yearlings**

1 Barton Charolais Ranch 2 Adams Charolais Farms Springfield Ohio 3 J C Enterprises 4 Deborah Tieken Tieken Cattle Co Cat Springs Texas 5 Schaefer Farms Inc Genevieve Missouri

**Summer Yearlings**

1 Bauman Ranch Inc Reserve Senior Champion 2 J C Enterprises 3 Barton Charolais Ranch 4 King s Korner Polled Charolais Meadow Grove Nebraska 5 Bauman Ranch Inc

**Spring Yearlings**

1 Royal Charolais Company Senior and Grand Champion 2 Hubert Charolais Ranch 3 Barton Charolais Ranch 4 Ann Barton of Barton Charolais Ranch 5 Gentry s Double Hook Ranch & Miller Farm

**Jr Yearlings**

1 Stone-Del Charolais Farm Hartville Ohio 2 Golden Charolais Pinicle North Carolina 3 Clear Spring Farm Hardinsburg Indiana 4 Dr James L Smith Little Rock Arkansas 5 Jeffory Hibbert and Hibbert Polled Charolais Camp Point Illinois

**BULLS**

**Jr Calves**

1 Bauman Ranch Inc 2 Wesson Charolais Inc 3 Stone Del Charolais Farm 4 Klinglesmith s LK Ranch Meeker Colorado 5 BBB Charolais

**Winter Calves**

1 Sandy Creek Farms Reserve Calf Champion 2 Rainbow s End Ranch 3 Deborah Tieken of Tieken Cattle Company 4 Gentry s Double Hook Ranch & Miller Farm 5 Wesson Charolais Inc

**Sr Calves**

1 J C Enterprises Calf Champion 2 Royal Charolais Company 3 Wesson Charolais Inc 4 George Labar Labar Charolais Harlingen Texas

**Late Summer Yearlings**

1 Leroy E Myers Sr Clear Spring Maryland 2 BBB Charolais

**Summer Yearlings**

1 Adams/Page/Darby/Stenson Reserve Junior Champion 2 Royal Charolais Company Kenwood Farms and Barton Charolais Ranch 3 Barton Charolais 4 Bauman Ranch Rainbow s End Ranch and Shallow Creek Charolais 5 Bauman Ranch

**Spring Yearlings**

1 Wesson Charolais Inc Junior Champion 2 Royal Charolais Company and Lewis Johnson 3 Honeybrook Farm Princeton New Jersey 4 Costerisan Farms 5 ABC Ranch & Carl Ahrens Martinsburg Missouri

**Junior Yearlings**

1 BoVenture Cattle Systems Ltd Mead Colorado 2 Marti Charolais Cleburne Texas 3 Honeybrook Farm

**Sr Yearlings**

1 Malcolm Commer Jr & Dr James L Smith 2 Costerisan Farms 3 Derby Farms Crestwood Kentucky 4 Elm Charolais Farms Hartford Wisconsin and Triple C Farms Couch Missouri 5 21 Ranch and JCL Cattle Company

**Summer Sr Yearlings**

1 Walter E Heistand Reserve Senior and Reserve Grand Champion 2 Bauman Ranch 3 Gentry s Double Hook Ranch and Miller Farm 4 BBB Charolais 5 Chris Volz Farm of Milan Indiana

**Two Year Old**

1 Wesson Charolais Senior and Grand Champion 2 Shallow Creek Charolais 3 BBB Charolais 4 J L Steitle Ville Platte Louisiana

**GROUPS**

**Two Females bred and owned**

1 Barton Charolais Ranch 2 Royal Charolais Company 3 Gentry s Double Hook Ranch and Miller Farm 4 Bauman Ranch Inc 5 Hubert Charolais Ranch

**Two Bulls bred and owned**

1 Royal Charolais Company 2 Bauman Ranch Inc 3 Barton Charolais Ranch 4 BBB Charolais 5 Costerisan Farm

**Pair of Calves**

1 Gentry s Double Hook Ranch and Miller Farm 2 Bauman Ranch Inc 3 Royal Charolais Ranch 4 Klinglesmith s LK Ranch 5 Hibbert Polled Charolais

**Produce of Dam**

1 Royal Charolais Company

**Get of Sire**

1 Gentry s Double Hook Ranch and Miller Farm 2 Klinglesmith s LK Ranch 3 Hibbert Polled Charolais

**Get of Sire**

1 Royal Charolais Company 2 Barton Charolais Ranch 3 Gentry s Double Hook Ranch and Miller Farm 4 BBB Charolais

**Group of Five**

1 Royal Charolais Company 2 Bauman Ranch Inc 3 Barton Charolais Ranch 4 Gentry s Double Hook Ranch and Miller Farm 5 BBB Charolais


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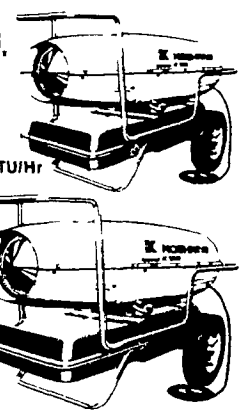


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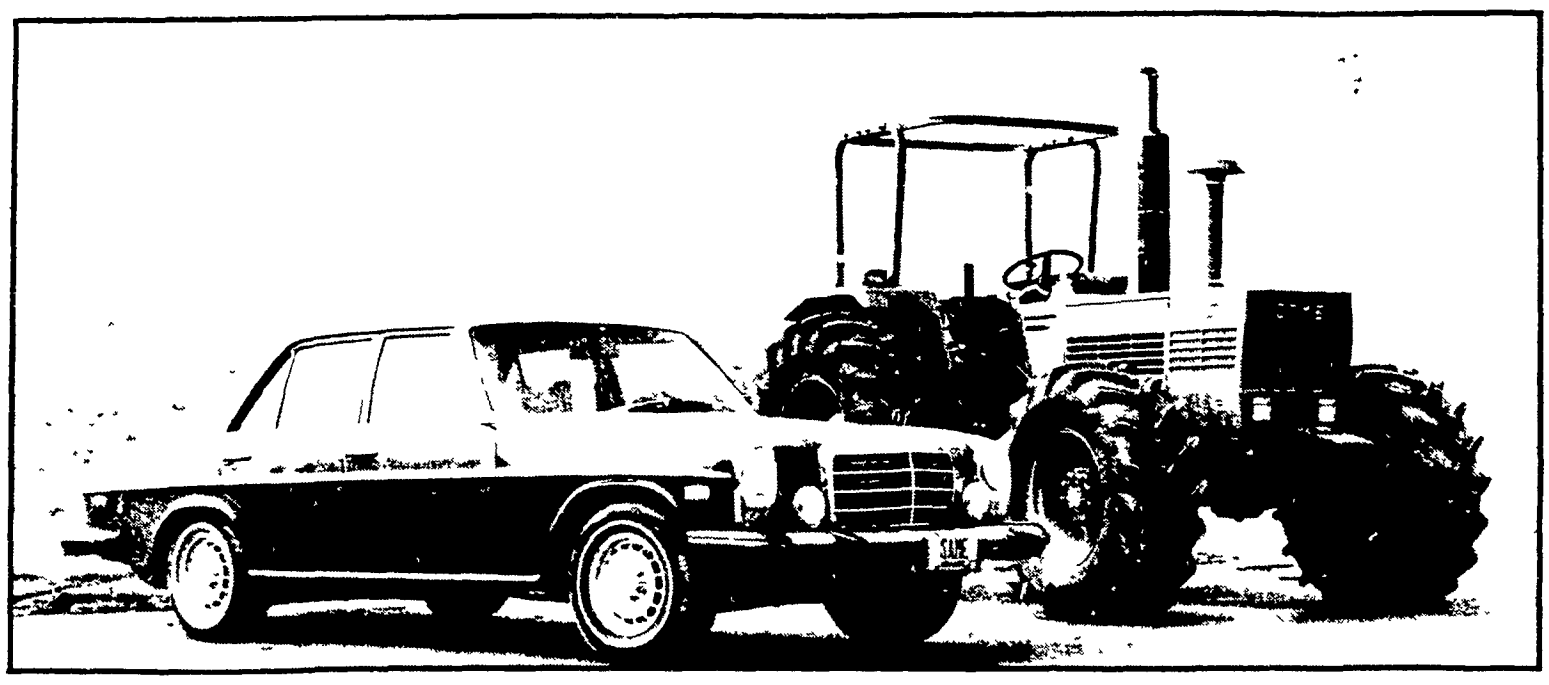

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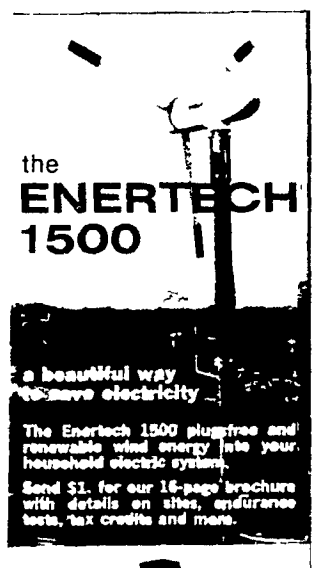
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# Maryland Grangers honored at national session

CEDAR RAPIDS, Iowa — Twenty-four Maryland Grangers attend the 114th annual National Grange Session in Cedar Rapids, Iowa

Each grange state has two voting delegates who serve on committees at the state convention. State Master C Rodman Myers served on the Agriculture Committee and his wife, Jean, served on the Grange Activities Committee.

U S Secretary of Agriculture, Bob Bergland spent some time meeting with the agriculture committee on Thursday morning, prior to addressing the Agricultural Banquet that afternoon. Several Maryland Grange resolutions became part of National Grange policy adopted by the voting delegates at the convention Maryland received an award for a gain in membership

One of the highlights of the convention to Marylanders was at the Youth Coronation Pageant when David Wiles of Glade Valley Grange-Walkersville, Maryland was named the National Grange Prince for 1981 This was the first time a Marylander has ever won the title

Janet Wiles, State Grange Youth Director, was named the Youth Director of the Year" by William Steel, National Grange Youth Director

Nancy Wolfe, State Grange Lecturer, announced that in Photography Junior Grange, Color Slide, Juliann Brauer of Thurmont Junior Grange placed second in peoples and animals categories

In the adult posters class, Nancy Wolfe of Brandywine placed third.

Louisa Hott, State Grange Women's Activities Director, announced in the needlework contest, Ruth Talhelm of Leitersburg Grange placed first with her crocheting. In the graphic quilt block category, Flora Wiley of Norrisville Grange placed second and in the primitive colorful quilt clock category, Regina Ahalt of Middletown Grange placed second

The Golden Quill award for women who work on legislation went to Ethel Brauer of Thurmont Grange-third and Edith Kilby of Calvert Grange-honorable mention In the Women's Activities Notebooks, Donna Mills of Frederick County Pomona Grange placed ninth and Frances Crun of Glade Valley (subordinate grange) placed tenth, Mrs. Hott also received an award for Maryland for surpassing their sewing quota. Maryland State Grange received a $200 cash award for selling National Grange cookbooks in the Group II division.

Ethel Brauer, State Junior Grange Leader, announced that Thurmont Junior Grange placed second in the National Grange Community Service Contest and first in the Publicity contest Nyla Ward of Hancock Junior Grange placed first in creative writing in the 11-12 age group

# 6-day antlerless season to start Monday

TELFORD — Hunters possessing antlerless deer licenses in six southeastern and southwestern Pennsylvania counties will have six days in which to take an antlerless whitetail starting December 15

The areas involved include Allegheny, Chester, Delaware and Montgomery Counties and that part of Berks County south of Route 22 (Interstate Route 78) and that part of Bucks County in the Special Regulations Area of southeastern Pennsylvania

Hunters must have an antlerless deer license for the county in which they are hunting

The six-day season open one-half hour before sunrise on Monday, December 15, and closes at sunset on Saturday, December 20


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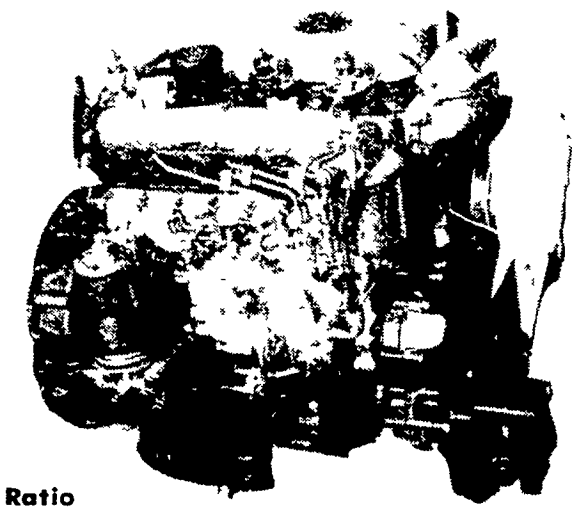

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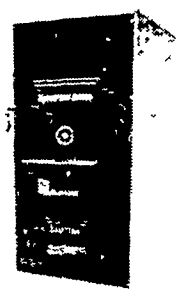

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# Named honorary American farmer

National FFA President Doug Rinker presented the Honorary American Farmer Degree to C. Rodman Myers, Master of the Maryland State Grange, at the 53rd FFA Convention in Kansas City.


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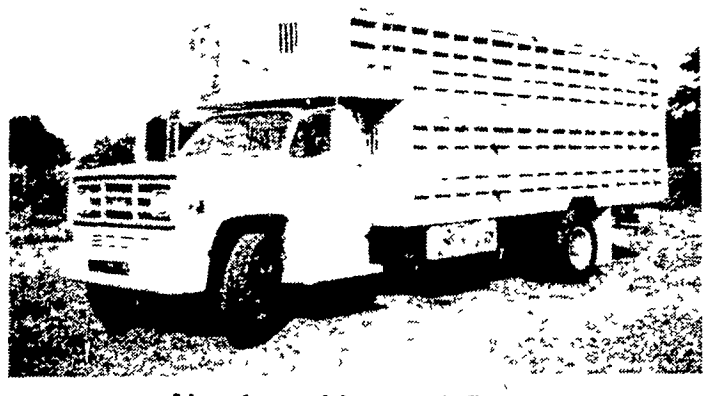

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# Egg, poultry comments due by January 21

LITITZ — The public has until January 21 to comment on the U S. Department of Agriculture's poultry and egg grading and egg product inspection regulations

These regulations are currently being reviewed by USDA's Food Safety and Quality Service, as part of a USDA effort to eliminate unnecessary government regulations and make sure they are written simply and clearly, according to Donald L Houston, administrator of the agency.

The review is also designed to make sure USDA rules are consistent with legislative goals and do not overlap jurisdictions of other federal agencies, he said.

"We plan to conduct a comprehensive review of these regulations," Houston said, "and we're asking consumers, industry officials and others interested in the agency to suggest ways to improve them "

A regulatory review task force appointed by Houston is conducting the reviews. The task force has already reviewed dairy grading regulations and plans to review other regulations in the coming months.

Comments on the regulations on grading of poultry, rabbits, shell eggs and the inspection of egg products must be received by January 21. Notice of this review was published in the November 21 Federal Register, available in most local libraries.

Written comments should be sent to the Regulations Coordination Division, Annie Johnson, FSQS, Rm. 2637-S, USDA, Washington, D.C., 20250. The task force's review plan may be examined by the public during regular business hours at the same address

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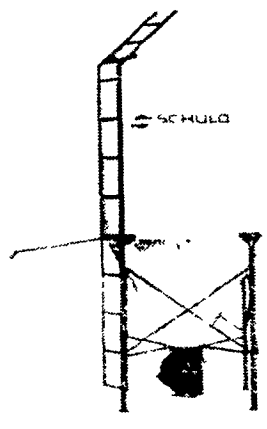


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# Farm Talk

Jerry Webb

What if you woke up some morning to the newspaper headline that the last farm in the state had just been purchased for a development – the last green acre was being subdivided and the entire place was now one great big suburbia

That sounds far-fetched, but it's a real possibility

I heard farmers at a farmland preservation meeting in Dover recently say that half the farmland in Delaware is for sale right now for the right price, and that most of the rest will be for sale eventually

I also heard farmers say that there are already thousands of acres in all three Delaware counties that are owned by developers with subdivision plans already approved They also said that unless something specific is done, Delaware will continue to lose farmland to development down to the point where the last farm is gone

That's frightening when you look out over Delaware's open spaces and think about the loss of food production, open space and wildlife, and the prospect of ever-widening spheres and strips of suburbia That's Delaware, but it could be any state, any county

Every time I read about another shopping center being approved I cringe, because in my simple agrarian mind I can't imagine why consumers would be willing to give up the productivity of a fertile farm in exchange for another place to shop

It's particularly noticeable in upper New Castle County as you think back over the past 10 or 20 years about the open land that has been developed

With present trends in Delaware it's not at all hard to project a future where the open fields of lower New Castle, Kent, and even Sussex will go the same way

The governor's advisory committee on farmland preservation has issued a draft copy of a report with some recommendations on preserving Delaware farmland

Public meetings were held as a way of getting additional input before final copy is turned over to the governor But I heard farmer members of the governor's committee say that all they were hearing at those meetings was the same kind of talk they had already heard among themselves as they prepared the plan.

They feel more citizen input is required and that the task of preserving farmland should be a broader one than it now seems to be perceived

As I looked around that Dover meeting I saw familiar faces, farmers who are active in all kinds of farm organizations The presidents and board members of almost every farm group from the Grange and Farm Bureau to the Delaware Swine Producers and the Delaware Agricultural Museum Association

But where was the League of Women Voters? The civic association heads? The city council presidents and the real estate association members?

It seems to me that preserving Delaware's farmland is truly everybody's business and it's in everybody self interest to see that a good job is done A preservation plan must be fair to the people who now own the land and to the people with urgent needs for that land But I just can't see how the job can be put off much longer or left to someone else

The farmers themselves attending those meetings were adament in at least one point, and that is they want a farmland preservation act to be administered at state level They don't seem to trust county government to do a fair and equitable job of administering the proposed agricultural zones over a period of time

Reflecting on current county zoning actions, several farm spokesman said that it just wasn't working, and there was no reason to think a county administered farmland preservation plan would work any better

There needs to be a strong and continuing dialogue among all those interested and concerned with Delaware's farmland, culminating in a law that will assure a viable agricultural base in that small state A plan that will allow for good commercial farming units and the needed commercial and residential development that a thriving economy requires

People don't want to be cooped up in high-rise buildings or row houses, and yet agriculture cannot continue to accommodate the rural residents who want two to five acres in the heart of agricultural areas Some compromise must be reached, and that's what the advisory committee's preservation plan is all about

Maybe as one observer pointed out, the nonfarm critics are just waiting until some kind of legislation is drafted before they make their feelings known, but by then it may be too late A legislature could draft and enact a bill that wouldn't really please anybody unless it gets plenty of input

MILK

If you have fat cattle or need feeders ...

THINK NEW HOLLAND

BEEF SALES

MONDAY - 1:30 P.M.
THURSDAY - 11:00 A.M.

Sale Order - Fat Bulls, Steers, Stockers and Beef Cows
Veal Calves - 4:30 Thurs

NEW HOLLAND SALES STABLES, INC.
Phone: 717-354-4341
Daily Market Report - Phone 717-354-7288
Abe Diffenbach, Manager
Field Representatives - Alan Diffenbach 717-656-9806
Luke Eberly 215-267-6608

PUBLIC SALE

OF NEARLY NEW BI-LEVEL HOUSE

Location: In village of New Danville, 3 miles South of Lancaster off Route 324 at light to Schultz Road to Krissy Drive on Donna Ave., Pequea Twp.

SATURDAY, DECEMBER 20
1 P.M.

On lot app. 110x200 built in 1979. Bi-Level house with brick front and balance with vinyl siding, 3 or 4 bedrooms, 2 baths (1 with double-bowls), dining, living room & kitchen. All nice size. Stove included in kitchen. One car garage w/macadam drive Elec heat w/provisions for 2 wood stoves Carpet throughout house Thermopane windows, and shade Rec room in basement with room for expansion Well water & drain field on lot

Terms by,
MELVIN J. GRAVER

10% down, bal. in 90 days. Inspection of property by appt. 687-6544.
J. Everett Kreider
Steve Petersheim, Aucts.
Peter Honaman, Atty.
Beautiful Country Setting

COMPLETE DISPERSAL

SATURDAY, DECEMBER 27, 1980
11:00 A.M.

Located 1 mile from Route 220, just south of New Albany, Pa. New Albany is between Towanda and Dushore, Bradford County. Arrows.

92 HOLSTEINS AND A FEW GUERNSEYS

Registered and High grade Holsteins, 7 Registered Guernseys, 50 mature cows, 12 bred Heifers, 12 yearling Heifers (some big enough to breed), 18 started heifers, 16 fresh since October 6, to freshen soon, balance in various stages Presently making a ton daily On DHIA test and AI breeding A young dairy - 5 years the oldest All raised by Mrs Sayman and selected from the best neighboring dairies This free stall dairy is very quiet All broke to lead Vet examined and Inter-State Charts

MACHINERY

Ford 5600 Diesel Tractor, air conditioned cab w/948 hours, AM-FM and CB radios and load monitor system, has snow blade (this tractor looks about new), Ford 4000 gas w/front loader, Speedex 16 h p 3 pt #1632 tractor and front blade, Ford 140 3B 18" semi-mtd spring reset plow; MF 10' transport disc; Hesston 10' hydra-swing windrower; NH #718 chopper w/1 row and pickup heads used 1 season, NH 56 rake; NH 3 pt mower; NH 328 spreader with hydraulic end gate, Gehl #1500 big baler, Gehl bale forks, McKee 5 bale hydraulic self-loading transport buggy, Gehl unloading box and wagon; Hustler 56 PTO hopper blower, MF back blade; MF 2 row planter, 3 pt fertilizer spreader; NI fertilizer sower; 2 flat wagons, concrete mixer

- Badger 16' Silo Unloader
- Badger Feed System w/80' Conveyor & 30' Distributor
- 2½ ton steel pellet bin w/magnetic feeders
- 1968 Chevy Suburban 4 wheel drive 32,000 miles
- 30' Corn and Alfalfa Silage
- 2 Ritchie double heated waterers
- Gemerac 30,000 watt PTO Generator

MILKING EQUIPMENT AND MISCELLANEOUS

Girton 650 round tank and washer, Alamo 4½ h p vacuum pump, fertilizer, seed oats, grass seed, twine, air compressor, plow points, etc, etc, too much to list

Only reason for this sale is Mrs Sayman's poor health
Terms Cash or approved checks

Owners
FRED AND DOROTHY SAYMAN
Jim Adriance & Sons, Auctioneers
Montrose, Penna
717-278-1574
Lunch Available

SPECIAL HORSE SALE

OF DRIVING HORSES
MONDAY, DEC. 15th

AT NEW HOLLAND SALES STABLES, INC.

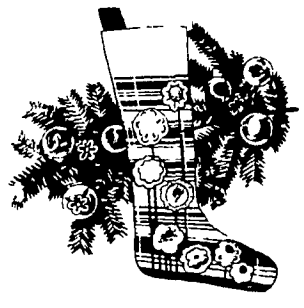
12 Miles East of Lancaster, Pa. just off Rt. 23
New Holland, Pa.

These horses to be sold at 12:00 Noon

1 Load Saddlebred Driving Horses consigned by Don Boring
1 Load Saddlebred Driving Horses consigned by Milton Potter
1 Load Standardbred Driving Horses consigned by Bud Leonard

For more information Contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538

BELLEVILLE LIVESTOCK MARKET WISHES ALL THEIR PATRONS A JOYOUS HOLIDAY SEASON



WE WILL HAVE OUR REGULAR SALES DEC. 17 AND 31

NO SALE CHRISTMAS WEEK - DEC. 24

FUTURE SALE DATES TO REMEMBER:
HORSE SALES- FEB. 14 AND MARCH 21
SPRING MACHINERY SALE- MARCH 6
SPRING HRF. SALE- APRIL 24
EASTER LAMB AND GOAT SALE- APRIL 8

ROBERT GABLE AND FAMILY

REGISTERED HOLSTEIN SALE
THURSDAY, DECEMBER 18
at 12:30 P.M.

Chaffee, NY. 35 mi. south of Buffalo, 5 mi northwest of Arcade, 9 mi east of Springville on Route 16.

85 Holsteins Sell, 79 Registered, 6 Grades

1 Excellent, 11 Very Good, 32 Good Plus, 11 Good. An exceptional dairy of Registered Holstein cows featuring a "VG-85" Pawnee Farm Arlinda Chief, M.E. over 27,000m 1,085 fat at 2 yrs., and bred to Roybrook Starlite and under contract to a major stud. Also a "GP-81" 3 yr. old with 271d 24,440 4 5% 1,095 and due back in 11 months to Breezewood Cadillac. An "EX" cow with 237d 15,147 3 6% 551f and due to Triple Threat Two VG-87" young cows, one M E over 19,000m Two Pawnee Farm Arlinda Chief calves from a tremendous cow family

Sires represented Elevation, Chief, Hilltop Apollo Ivanhoe, Bootmaker, Milu, Conductor, Pacemaker, Whittier Farm Apollo Rocket, Apache, Willow, Flame, Double Triune, Astronaut King, Ned, and Triple Threat

20 head sell with records over 20,000. Herd average 10-26-80 86 5# 16,334m 3 5% 576 fat.

TERMS: Cash or good check day of sale, nothing to be removed until settled for.

CREDIT Available by contacting Ernie Morris, Genesee Country Bank, Warsaw, NY Phone 716-786-3195 prior to the sale

Owner,
ROBERT GABLE & FAMILY
Chaffee, NY
WILLIAM KENT, INC.
Sale Manager & Auctioneer
Bergen, NY Ph 716-494-1890

# Researchers develop sulfur analysis method

COLLEGE PARK, Md. — University of Maryland Agricultural Experiment Station researchers have developed a more accurate method of analyzing soils and other geological materials for sulfur, an element which — in its acid form — can seriously inhibit plant growth and damage building foundations

The method, developed by graduate assistant Philip Snow and Delvin Fanning, an agronomy professor, centers on the use of a wafer-thin sample of sulfur-bearing material they devised to obtain more precise sulfur content readings with an x-ray spectograph

Although X-ray spectroscopy has been used in the past, results lacked the necessary precision in sulfur analyses because sulfur (the element) has many different forms and each form gives off a different X-ray response. The wafer sample contains only one form of sulfur and thus circumvents this problem

The need for more accurate methods of analyzing sulfur content has become critical in order to evaluate the acid-forming potential of sulfur-bearing materials such as those found in strip mine and tidal marsh reclamation sites as well as in acid rainfalls.

Acid rain results when sulfur and nitrogen oxides from electric power plants, smelters and automobiles are chemically changed into acids in the atmosphere. Acid rains adversely affect the productivity of soils; erode the protective waxes that cover plant leaves; change water quality in lakes and streams and have adverse effects on buildings and other structures.

In order to make the wafer, a sulfur-bearing sample is digested in oxidizing acids that convert all of the sulfur in the sample into a single form — a sulfate — so that it will produce an accurate spectrographic reading. Copper is also added to prevent the sulfur from becoming gaseous and to make the sample uniform enough to provide a good analysis

The sulfur residue from this digestive process is mixed with powered cellulose, which serves as a binder holding the substance together so that it can be more easily formed into a pellet The mixture is then freeze-dried, crushed and mixed again with a mortar and pestle and finally transferred to a die where it is pressed into a wafer the size of a quarter.

If kept in a dry place the wafer is virtually indestructible. It may be used over and over again and for the determination of other elements besides sulfur

The two researchers feel that the method should enhance the ability of scientists to screen materials from landfills, mine reclamtion sites and other sources

It will enable them to determine how much sulfur is present and whether it will create a problem through the formation of acids and the release of heavy metals in the soil that would damage plant life


**HAPPY ACRES FARM**

**BRED GILT & BOAR SALE**

**SATURDAY, DECEMBER 20**

1:00 P.M.

Sale will be held at the Seneca Livestock Marketing Coop, 4 miles South of Waterloo, NY on NY Rt. 96.

Selling 40 head Purebred, Duroc & Yorkshire bred gilts, 15 head of Duroc & Yorkshire service boars Bred gilts will carry services of the top indexing Duroc & York boars at the PA test station 1980. Also include daughters of the Supreme Champion York sow at the 1980 NY State Fair These gilts will be bred to Supreme Champion boar of the 1980 NY State Fair

Auctioneer-
Harry Bachman,
Annville, Pa.

Come Early for Free Lunch



**STOLTZFUS DISPERSAL**

Located off Rt. 54, 4 miles from Wasingtonville, 11 from Danville, 11 from Turbotville, 15 from Muncy, 30 from Williamsport. Watch for auction arrows off Rt. 54 in Washingtonville. Those coming from Williamsport take Rt. 220 north runs into 147 then take Turbotville exit to 54 east.

**Wednesday, January 7**

**at 12:30 Sharp**

**68 Registered & High Grade Holsteins - 68**

4 Reg. 64 Hi-grades.

5 mules 5 sets harness & bridles Nov. Rolling Herd Average - 11929M 435F 3 6T

Herd consist of 36 mature cows, 10 bred heifers, 22 from 1 mo to 14 mo 6 cows fresh Aug , 3 Sept , 4 Oct., 2 Nov , 2 Dec , balance in all stages of lactation Interstate tested, shot for shipping fever, preg ex charts day of sale A good producing herd, a few real good cows w/good udders.

Sample selling No 2 reg Kingstead Shine dau 2 yrs 7 mos. 333 day 15,200M 587F 3 9T No. 45 Reg E Z Acres Burkgov B Acclaim da 2 yrs 6 mo 341 da 12,686M 439F 3.5T. No 14 grade - proj for 16,269M 619F No 42 grade - proj for 16,120M 628F No 38 grade - proj for 16,322M 530F A Heatherstone Lucky Typeblazer herd sire dams rec. 5 yr 1 mo 305 da 19,067M 804F 4 2T 6 yr 1 mo 330 da 19,265M 773F 4 0T

**Machinery**

M M.U B special gas tractor 65 hp real nice; McCormick PTO corn binder w/loader good condition; Frick 28" thrashing machine; Massey Harris grain drill, J.D grain binder, Brillion 10' cultipacker, Oliver 2 bottom 12" plow, McCormick #7 silage cutter, Fav-O-rite grain bin; AC 28 disc harrow, Husky wagon w/flat beds, 2 fore carts; side dresser attah for McCormick cultivator; silage cart & feed cart, DeLaval milker unit w/sterling pulsation; DeLaval teat cup washer; 40 milk cans; double washer vat, SS strainer, 2 extra milker pails

Neighbors Equipment

2-wheel braking cart, 2 Myers pump jacks, cement mixer; silage distributor; 2 power take off shafts; extra heavy 18" tablesaw, pitcher pump, napsack sprayer & other small items not listed

Terms - Cash or Good Check
Sale under cover Lunch available

Owners
**John M & Barbara S. Stoltzfus**

Auctioneer - Arlow Kiehl
Sales Mgr. - **Gordon Wood**
Mansfield, Pa. 717-549-4901

For the most in advertising coverage and preparing your sale Call Woods Auction Service



BROOKS END AND PAR-KAY FARM

**FIFTY-NINTH ANNUAL WINTER SALE**

**FRIDAY, JANUARY 9**

1:00 P.M.
At the Farm • Beavertown, Pa.

**260 head of SCOTCH & IRISH and other foreign bloodlines**

**• New Bloodlines on Each Sale**

**YORKSHIRE — LANDRACE**

Born and raised on our farms from our parent imported stock

100 ★ BRED GILTS - most of which carry Scotch or Foreign Blood Litters.

50 ★ YORKSHIRE - Many carry Scotch litters

50 ★ LANDRACE - All carry Scotch or Foreign Blood Litters.

50 ★ BOARS

30 ★ YORKSHIRE - New Scotch Bloodlines as well as Irish and American Bloodlines

20 ★ LANDRACE - All 100% SCOTCH, IRISH or other foreign blood

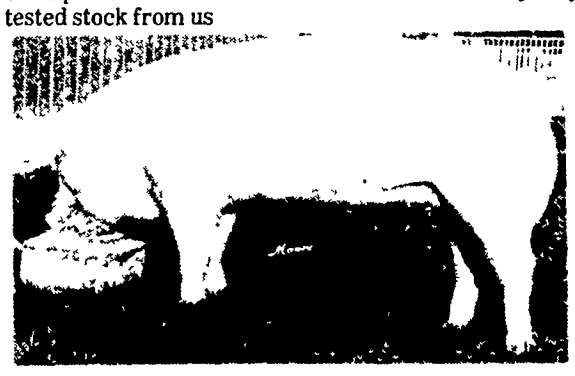
100 ★ Commercial Open Gilts - Mostly Irish & Scotch blood. Scan-O-Probe Loin Eye & Back fat figures. Production tested - Certified Meat Proven & Show Ring Champion Stock.

CERTIFIED BRUCELOSIS FREE & PSEUDORABIES FREE.
Health Charts Sale Day For Entry Into Any State.

**1980 SETS NEW RECORDS**
**NEW FIRST PLACE TEST STATION WINNERS**

Our breeding wins at both Penna and Delaware Test Stations Richard Miller, York County was the Penna winner with 4 boars sired by Alpine

Leon Arnold, Lebanon County, was the Delaware Station winner His boars were sired by Explorer Each of these sires were purchased from Brooks End Farm Feed conversion on the Alpine pigs was 2 4 Feed conversion on the Explorer pigs was 2 2. A perfect example of how it works for others when they buy tested stock from us



IRISH BOARS and GILTS of this great Dam will sell. Greenback 3044, one of our foundation Irish Yorkshire Sows.

Owners:
**RENO & PARK THOMAS & MARK STEHR**

RENO 717-658-5821 717-658-7304
PARK 717-658-6544 717-658-6702
MARK 717-658-7007

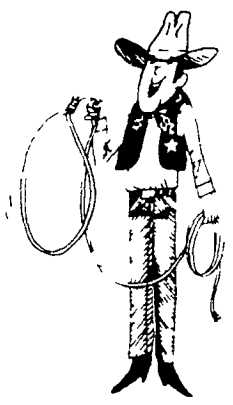
Catalogs Available
Dan Baker, Lafette, Ind., Auctioneer



**ROPE IN SOME EXTRA CASH!**

Advertise With A Lancaster Farming CLASSIFIED AD...

Phone: 717-394-3047
or 717-626-1164





**FARMERSVILLE AUCTION**

**TUES., DEC. 16, 1980**

5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Pine hutch like new; nice Maytag wringer washer; black kitchen range; oil & gas space heaters, bedroom suite; box springs & mattresses; small drop leaf table; rugs; box lots from private apt. in New Holland; etc.; etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
354-5095

Consignments being accepted for our Annual New Years Day Antique Sale.



**PUBLIC AUCTION**

OF LARGE POTATO EQUIPMENT
on
**SATURDAY, DECEMBER 20, 1980**
At 10:00 A.M. Sharp

J & B Potato & Grain Farms, Inc., and Briggs Brothers, Perrineville Rd., Hightstown, N.J.

Directions: Exit 8 NJTP - E. on #33 - R at Hights Farm Equip. - at Dead End make L - R 1st Road to Dead End - L at Dead End - 2nd driveway on L. Off Allentown-Hightstown Rd. - turn E. 4½ mi. on Perrineville Rd. to Farm.

**TRUCKS**

1967 GMC w/transfer case & 16' Ziggy Pot Body, 1960 GMC w/transfer case & 14' Dahlman Pot Body, 1957 GMC w/14' Dahlman Pot Body, 1949 GMC w/14' Dahlman Pot Body, 1968 Chev w/14' Dahlman Pot Body

- 12' Haines pot conveyor, Union Camp automatic 50# pot bagger, Boggs #6 pot grade, Dilts-Wetzel pot cutter, Haines pot seed treater, 8' Draper chain pot conveyor, 15' Draper chain pot conveyor 7' pot or snow bucket, A/C No Till planter w/ten planter units (like new), MF 13' disk harrow, Brillion 15 transport packer, 15' 3 section packers 12' Gandy for disk harrow, Tox-o-wik 350 bu model #370 grain dryer, 6' woods rotary mower 7 J D sickle bar mower IHC 4 bottom rollover plow 8' Grove scraper 1000 gal water tank Two 5 ' wheel lines (Irrigation) All the above equipment is in excellent condition The sellers or auctioneer are not responsible for any theft injury or accident of any kind on sale premises Also many other pieces of equipment not listed

Terms CASH

Sales Manager - Norman Parker
609-758-8603

Auctioneer — Lee Parker
Clerk - J Maybury

# States receive payments from National Forest system

WASHINGTON, D C — Forty states and Puerto Rico soon will receive checks totaling more than $60 9 million as final payment of their shares of receipts collected for the use of National Forest System lands during fiscal year 1980

Secretary of Agriculture Bob Berglans, who announced the payments Monday, said the checks totaled $234 million this year Pennsylvania's share is $664,163.48

By law, 25 percent of the revenues collected by the U S Department of Agriculture's Forest Service from timber sales, grazing, recreation, mineral and other resource uses on the 187 million acres of national forest system lands must be returned to the states

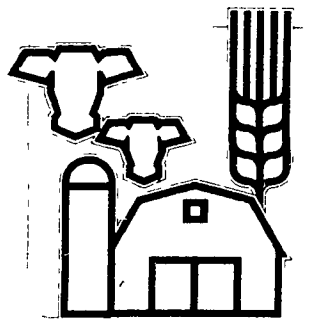
Bergland said the funds are to be used for schools and roads in the counties where the national forest system lands are located

Credits made to timber purchases for building roads and funds collected and used by the Forest Service to improve timber sale areas are included The remaining revenues are deposited in the general fund of the U.S Treasury.

An interim payment of $173 8 million, representing 75 percent of the estimated amount due the states for 1980, was mailed October 1, immediately after the end of the fiscal year

Bergland said the interim payment was made to help the communities plan their budgets The payments announced today are the difference between the interim payments and the total amounts to which the states are entitled, based on actual receipts collected in fiscal year 1980

The largest payment, $98 8 million, went to Oregon. California received the second largest payment of $37 5 million Washington ranked third, receiving $32 7 million




## YEAR END
## PUBLIC AUCTION
### OF DIESEL TRACTORS, LAWN & GARDEN EQUIPMENT SNOWMOBILES
### SATURDAY, DECEMBER 27
12:30 P.M.

Located on business premises, east of Ephrata, in Martindale, PA.

Terms by
**LAWN CARE OF PA**
Daniel Z. Martin & Son
215-445-4541

KLINE & KREIDER AUCTION SERVICE
Phone 717 733 1006

Watch for full listing in next week's Lancaster Farming



## PUBLIC SALE
### OF 3 ACRES REAL ESTATE
### EAST COCALICO TOWNSHIP
### SATURDAY, DECEMBER 20, 1980
Sale Time 2:00 P.M.

Located along Snyder St. (Between Denver Mennonite Church & Kurtz Precast) East Cocalico Township, Lancaster Co., Pa.

**3 ACRES (More or Less)**

**2½ STORY ALUMINUM SIDED DWELLING**

containing 5 rooms on second floor — modern kitchen with many built-in cabinets, full bath, large laundry, dining room, living room & den on first floor Closets.

Basement with outside entrance. Oil fired hot water heat (cast iron baseboard) Electric hot water heater

**HORSE BARN & 2-CAR GARAGE**

20'x36' — 220 amp electric in barn Well & pressure system. Approx 253' along highway & approx 400' deep containing 2 85 acres.

THIS IS A VERY DESIRABLE PROPERTY ZONED INDUSTRIAL APPROX 1½ MILES TO TURNPIKE ENTRANCE EXIT 21'

Open House — Sat., Dec 6 & Sat., Dec 13 from 12 noon to 4 p m or for information or inspection call 215-267-3209

Terms By:
**IRVIN B. MARTIN**
**LUCY W. MARTIN**

T. Glenn Horst, Auct.
Timothy G. Horst, Auct.
859-1331
Eaby & Eaby, Atty.



## PUBLIC SALE
### OF REAL ESTATE
### (8.5 Acre Farm)
### TUES., DEC. 16
At 1.00 P.M.

Located along Spring Hill Road, R.D. #1, Kirkwood, Little Britain Twp., Lanc Co , Pa (From Fairmont go south to Ashville Rd., turn left, go to Springhill Road & turn left )

2½ story frame 8 room house, House contains lg kitchen, dining, living & laundry rooms on first floor 4 bedrooms on sec floor Oil space heater, full basement, well water Stoned driveway Very good land totalling 8 5 acres 5 acres of good farm ground, 2 acres of meadow & 1 5 acres for house Property open for inspection Sat's , Dec 6 & 13 from 1 until 2 Real Estate to be sold at 1 00 P.M

Sale by
Paul L. Howard and
Earline M. Work Administrators
For Estate of
**CLARENCE HOWARD**

M. Elvin Byler Atty
Howard Shaub Auctioneer 464-3541
and Roy C. Probst 464-3190



## PUBLIC SALE
### Of 33 Acre Farm
### TUESDAY, DECEMBER 30
At 2:00 P.M.

Located 1½ miles North of Fivepointville, 2 miles West of Bowmansville, ½ mile off 897 along Woodlyn Drive take Chestnut Hill Road off 897, to Woodlyn Drive turn right first farm on left.

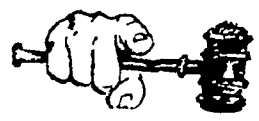
2½ Story Frame Log house with aluminum siding, containing 6 Bedrooms, Bath, Large Kitchen, Large living room, 2 smaller rooms, Laundry, 1 car garage, Hot water oil heat

Frame bank barn, for steers or hogs, 12x50 Terre Hill silo, work shop 32x50, Hog Barn 40x140, room for 450 hogs, pole barn 32x60, corn barn 35x30 This farm has road frontage. Don't miss this sale if in need of a farm, to view property December 20 & 27 from 1 to 4 p m. or by appointment call 215-445-6024

**Terms day of auction, 10% down, balance by April 1, 1981.**

Terms by,
**MRS. VERNA W. HORNING**
Frank and Paul Snyder, Aucts.
Wentz and Weaver, Attorneys
**Not Responsible For Accidents**





## PUBLIC SALE
### OF VALUABLE REAL ESTATE, HOUSEHOLD GOODS & ANTIQUES
### SATURDAY, DECEMBER 20
At 10.00 A.M

Located ½ mile South of Route 23, on South Groffdale Rd. between New Holland and Leola

LOT FRONTING 100 Feet along South Groffdale Road and extending in depth 250 Feet (More or less)

**A 2½ Story Frame Dwelling**

with siding, first floor with large kitchen, built in cabinets, two rooms, sun porch, full bath, laundry, second floor, five rooms with closet space, balcony, basement with concrete floor, outside entrance, gas water heater, cistern, well, with pressure system, two story frame barn with two car garage and large horse stable, storage above, large lawn and garden, black top drive, 10% down day of sale balance on or before February 20, 1981

HOUSEHOLD GOODS - Old Mahogany Slant Top Desk with solid ends, Old ½ dozen Cane Seated Chairs with original paint in good condition, ½ dozen Plank Bottom Chairs, Three Large Rockers, Small Rocker, Small Chest, Empire Bureau, Oak Chest of Drawers, Oak Bed, Spring and Mattress, Single Bed and Mattress, China Closet, Old High Chair, Corner Cupboard, like new, Oak Library Table, Baby Crib and Mattress, Gun Rack, Glass Showcase with sliding Doors, Shaving Case, Coffee Table, White Enamel Table, Bench, 1875 Atlas of Lanc Co, Pa by Everts & Stewart, Wooden Clothes Rack, Night Stand, lots of Books, Old Books in 1800, lots of Old Magazines, (Family Life and Youth Companions), 1889 and 1925 Samplers, Quilts and Comforts Chair Cushions, Homemade Carpet and Rugs, a Family Record

APPLIANCES — Large Gas Refrigerator, good working condition, Maytag Wringer Washer, Large Kenmore Heater, Small Coleman Oil Heater, GE Chest Freezer (electric), Gas Lanterns, Gas Light, lots of Dishes, Old Cups and Saucers, Old Earthen Pie Plates, Cooking Utensils, Twelve Quart Pressure Cooker, Twelve Quart Guardian Service Kettle with Glass Lid, Roaster, 150 ft Garden Hose and Reel, High Pressure Hose, Pea Wire, Old Pump, Rakes, Brooms, Tobacco Lathe, 40 ft Extension Ladder, Wheel Hoe, One Horse Shovel Harrow, Screens, lots of Paint, Coal Bucket and Shovel, Two Rotary Lawn Mowers, and many other articles too numerous to mention

REAL ESTATE AT 2 00 P M

TERMS BY,
**MELVIN A. & FANNIE F. STOLTZFUS**

AUCTIONEER
Robert E Martin 656-7770
WENTZ AND WEAVER, ATTY

NO OUT OF STATE CHECKS
REFRESHMENTS BY LADIES AUX. OF BAREVILLE FIRE COMPANY



## PUBLIC AUCTION

(Farm sold) Selling Farm Machinery on Farm located 3½ miles south of Chesapeake City (Route 213) turn right (west) at Coyots Corner (Towne Point Road & Por Herman Road) 2½ miles to Farm...Signs posted south of Chesapeake City, Md.

### SATURDAY, DECEMBER 20, 1980
At 11:00 A.M.

Allis Chalmers 190XT Diesel Tractor, AC 5-bottom #2000 Plow, AC #2300 Disc, AC Rake attch , CASE 600 COMBINE W1402 4-row Corn Head & 10' reel heads, Int H Tractor, New Holland 69 Baler, N H. PTO Spreader, Gehl Forage Harvester, N.H Field Chopper, JD Field Rotary Mower, JD Drill Lilleston 7' Mower, 2 grain wagons, 2 Hay wagons, David Bradley 20' Elevator, Brillion 10' Cultipacker, Badger Feeder unit, 16' D.B elevator, running gear, etc , etc
(LUNCH)

**ELKVIEW FARM**
Rodney Purner, Sr , Manager
Chesapeake City, Md

HARRY RUDNICK & SONS, INC ,
Sales Managers & Auctioneers of Galena, Md
(301) 648-5100



## REAL ESTATE AUCTION

Mr & Mrs Paul L. Nuschke Farm
R D. #1 Shippensburg, Cumberland County, Pa

200 Acre Vegetable & Beef
Fertile Creek bottom soil

**Friday—December 19, 1980—1:30 pm**
**Sale to be on the premises**

**LOCATION:** Approximately 5 miles north of Shippensburg, off Route #696, turn west on West Creek Road (first road on north side of Conodoguinet Creek), ¼ mile to farm

**TRACT -1: 100 acres - complete set of buildings**
**TRACT -2: 59 acres - 37 tillable - secluded**
**TRACT -3: 41 acres - 32 tillable**

**Offered separately and as a whole.**

**INSPECTION:** Saturday, November 22, 1 pm to 4 pm, other times by appointment

BROKER COOPERATION INVITED

**FOR DETAILED BROCHURE—Call or Write,**

**JOHN B. NIESLEY REAL ESTATE BROKER-AUCTIONEER**
32 W High St , Carlisle, PA 17013
**(717) 249-8787**

# Sale Reports

A Public Sale of real estate and antiques was held December 6 for the Florence E. Gerlach Estate at 130 N. Duke St, Millersville, Lanc. Co, Pa

The ranch type house of Holland Stone and Brick was sold for $65,000 to Earnest Lefever of Millersville, Pa

Other prices included Mahogany Dining Room Suite $950, Grandfather Chime Clock $675, "Winter" Spinett Piano $700, Slant Front Desk $185, Wood Box $190, Jelly Cupboards $350 & $200, Blanket Chest $170 and Miniature Blanket Chest $420

Roy L Martin was the auctioneer

xxx

A Public Sale of tools and antiques was held December 6 by John H. Breidegam in the New Fire Hall in Rehrersburg, Berks Co, Pa

Some prices received were. Little Wooden Press $20, 2 Brass Foot Rulers $60 & $35, Stohler Axe $50 and Double-bitted Post Hole Axe $55

Joe Hoke was the auctioneer

xxx

A Public Sale of horse tack and farm machinery was held December 6 by Willard and Toby Langendorf, 4 miles south of Parkesburg and one half mile west of Gum Tree, Chester Co., Pa

Prices received were Saddles $120 & $85, Horse Blankets $28 & $21, Stirrups $7 & $15, Pony Saddle $37.50, Bridle $9, Clipper $15, Saddle Racks $8.50 each, Horse Trailer $100, J D. 50 Tractor $720, Manure Spreader $1050, Dayton 10 h.p. Lawn Tractor $330, Dayton 35 watt Generator $190, J.D. 127 Rotary Mower $310, 3 pt. Scraper Blade $130 and Ajar Electric Welder & Hose $75

Auctioneers were Steve Petersheim & Everett Kreider

xxx

An Auction of antiques was held November 25 for the estate of George H Goll at the Guernsey Sales Pavilion, 6 miles east of Lancaster, Pa

An 8 day Grandfather Clock made by Joe Bowman with a plain case was sold for $12,700 and a slant front desk brought $2700

Claude F. Smith was the auctioneer

xxx

An Auction of Coins was held December 3 by John Maurer at Lykens Valley 'Shop and Play" Hall, Route 209, Lykens, Pa.

Some prices received were. Nickels $1 to $22, Dimes $2 to $15, Quarters $4 to $52 50, Half Dollars $8 to $70, Lincoln Pennies $1 to $75, Large Pennies $4 to $28, Silver Dollars $20 to $605, $1 Gold Piece $290, 2½ Gold Piece $190, $5 Gold Pieces $180 to $325, Miscl. Books 26 pcs. of Quarters $110, 21 pcs. Quarters $80, 11 pcs. Quarters $40, 22 pcs. V Nickels $30, 22 pcs Buffalo Nickels $17.50, 14 pcs Jefferson Nickels $7.50, 59 pcs Lincoln Pennies $12 50, and 61 pcs. Lincoln Pennies $12 50

Dockey & Dockey, Aucts & Deppen, Apprentice

xxx

A Public Auction of farm machinery and trucks was held December 6 by Clifford J. Donovan, Route 207 Lincoln, Delaware at Clifford Donovan Fuel Co.

Some items sold were old Case 930 Tractor $3250, 2 Case 900 Tractors $2350 & $2125, 4 I H M Tractors $775 to $1350, J D Grain Drill $1350, J D. 105 Combine $5825, Disc Harrows $575 to $685, Brillion 12' Rotary mower $535 and '62 Chev 2 ton Truck $1275.

Wilson's Auction Sales, Inc & Glenn M Watson, Jr.

## Broiler placements continue up

HARRISBURG — Placements of broiler chicks in the Commonwealth during the week ending Nov 29 were 2,252,000, according to the Pennsylvania Crop Reporting Service.

The placements were three percent above the corresponding week a year earlier, and slightly above the previous week Average placements during the past nine weeks were 16 percent above a year earlier.

Placements in the 21 key poultry producing states were 77,315,000, three percent below the previous week but four percent above the same week a year earlier. Average placements in the 21 key states for the past nine weeks were seven percent above a year ago.

Broiler-fryers slaughtered in Pennsylvania under federal inspection during the week ending Nov. 19 totaled 1,848,000, with an average liveweight of 3.88 pounds.


**PUBLIC SALE**

**TRUCK LOAD OF TOOLS FOR FARM, SHOP, MASONS, GARDEN AND LAWN**

**WEDNESDAY, DECEMBER 17**

6:00 P.M.

**At Smoketown Quality Dairy Sales Barn, along Rt. 340, 5 miles East of Lanaster, 5 miles West of Intercourse, Pa.**

Brand Names included Ames, American, Atlas, True Temper, Stanley, Plumb, S K, Fuller, Lufkin, Duracraft, Diamond Horse Shoe, Etc

Wheelbarrow, Grinders, Drills, Tool Boxes, Jacks, Vise, Many Socket and Wrench Sets, Adjustables, Skill Saws, Vise Grips, Hand Saws, Tin Shears, Pliers, Chisels, Tapes, Rulers, Files, Wheel Puller, Chisel Sets, Clamps, Hammers, Levels, Nails, Digging Irons, Shovels, Forks, Rakes, Brooms, Scrapers, Hoes, Sledge Hammers, Ax, Wedges, Power Pulls, Flashlight & Batteries, Wrecking Bars, Electric Cords, Mason Tools, All Kinds of Handles, Garden Hose and Numerous Other Useful Tools

Sale by
**A. K. KING**

Auctioneers.
CARL & JOHN DILLER
464-2233



**CONSIGNMENT AUCTION**

**MONDAY DECEMBER 15, 9:30 A.M.**

Edge of Town Limits of Myerstown, PA on South Race St.

**★ FARM MACHINERY ★ TRUCKS ★ CONSTRUCTION EQUIPMENT**

**TRACTORS**

Int 1066 - Cab
JD 4430 - Cab
Ford 5200 - Cab
(2) Int 656
766 - Rollbar
JD 830 - Cab
Int 826 Hydro
Int 706
Case 1470 - Cab - 4WD
Int Hydro 70
Int 460
Int Cub
JD 4320
(4) Int 450 s
JD 3020
JD 2020
JD 1520
AC 160
(2) JD 820
(3) JD 730
JD 70
Ford 4000
Ford 8N
MF 1130
MF 1105 w/duals
(3) Case 1030
(4) Case 930
Ford 5200
Ford 9600
Oliver 1950
AC D21
(4) Longs
Int 100 Hydro - Cab
JD 5020
Farmall 560 Gas
(2) Int 856
Ford Jubilee
MF 1085 w/Cab
JD 4020 SC-PS
Ford 8N

**TRACTORS**

JD 720
White 4-150 w/Cab & Duals
Oliver 1855
Oliver 1850
Ford 6000
(2) Farmall 806
(2) Oliver 1755
AC 185 w/Cab
JD 4020 Powershift
JD 4020 Syncro
Ford 800
Oliver 700
AC WD
MF 265
Farmall 560D
JD 4020 Syncro
JD 301 w/ldr
Oliver 2655 - 4WD
Oliver 1850 - 4WD
MF 1155
(2) MF 85
DB 990
MM GTB

**MACHINERY**

(4) NH & JD Balers
Extra NH Bale Thrower (PTO)
(3) Blowers
(3) Cornpickers
(2) Picker - Shellers
(6) Self Propelled Combines
NI Uni System w/attachments

**MACHINERY**

(6) Cultipackers & Cultimulchers
(15) Pull-Wheel-Wing & Offset Discs
(5) Sickle Bar Mowers
(35) Plows - All Sizes
(3) Spring Tooth Harrows
(4) Flat Wagons
(20) Assorted Cultivators
Many Duals
JD 4X Plateless Planter
Harvesters
Manure Spreaders
(2) Chisel Plows
(4) Vibra Shank Cultivators
New Gravity Boxes
(2) NI Cut-ditioners
(2) JD Tedders
(7) Loaders
(2) Rakes
Lely 10 Roterra
Snow Plows
New 300 Gal Sprayer
Hesston 10 Stacker
Hesston 10W Mower
New Boom Poles
New Landscape Boxes
(2) Rotary Hoes
New 6' & 7 3 pt Blades
New Corn Cribs
MM D & E Cornsheller s
New 5-8-10 Ton Wagons
(2) Potato Diggers
Post Hole Diggers
LOTS — LOTS MORE

**CONSTRUCTION**

JD 450 6 Way Dozer
(3) Cat 933 Loaders
Cat 941 Loader
Franklin 160B Skidder
Franklin 133B Skidder
Ford Log Hog
(4) Forklifts
(2) JD 310 Backhoes
Long 5 in 1 Backhoe
Davis Trencher-Demo
Sheepsfoot Roller
Large Assort of Trucks
(2) JD 440B Skidders - Nice
JD 2010 Forklift
Int 340 Forklift
KD 32 Forklift
JD 24 Skid Steer
Ford 4500 Hoe (1972)

**CONSIGNMENTS WELCOME**

**BAKERS TOOL TRUCK WILL START THE SALE ORDER OF SALE: (Approx.)**

9 30-10.30 - New Tools
10.30 - Machinery & Trucks
1 00 - Industrial
2 00 - Farm Tractors

**NOTICE: FARM TRACTORS WILL START EARLIER THIS SALE**

**AUCTIONEERS:**
**BLAINE RENTZEL. CURT HOWARD FRED GOODRICH**

Lunch Served by Myerstown Church of the Brethren

**SALE HELD BY:**
**WENGERS FARM MACHINERY, INC.**

S. Race Street
Myerstown, Pa. 17067

Day-717-866-2135, Night 717-866-7147 or 273-9089



**PUBLIC SALE**

**TUESDAY, DECEMBER 30, 1980**

At 10:00 A.M.

**Located in Perry County, 12 miles southwest of Millerstown and 1½ miles southwest of Ickesburg along Rt. 17. Coming from Millerstown, get off Rt. 322 and 22 and follow Rt. 17 to sale. Rt. 74 north from Carlisle will bring you to Ickesburg**

**FARM MACHINERY**

Allis Chalmers 190XT Series III tractor fully equipped, Ford 4000 SU tractor with #710 industrial loader fully equipped, IHC #400 gas tractor with quick hitch; Ford 5000 diesel tractor with wide front end; New Holland #276 Hayline baler with thrower, New Holland #256 tractor rake, New Holland #469 9 ft. Haybine,

2 New Holland rubber tired wagons with hay rack; Kory rubber tired wagon with hay rack; New Holland #717 field harvester with 2 row 30 in corn head and single row corn head and wind row pickup head

**DELAVAL 25,000 KW-3G1 ALTERNATOR ON WHEELS**

**500 BALES OF TIMOTHY AND CLOVER HAY**

New Idea 195 bu manure spreader; New Idea #323 single row trail corn picker; New Idea #213 manure spreader with hyd tailgate; New Idea self-unloading wagon, Dion self-unloading wagon; John Deere crimper, John Deere portable disk harrow; IHC - MF 13-7 disk grain drill; McCurdy grain bin on rubber tired wagon

Badger TA54 silo blower; 50 ft of blower pipe; Little Giant 34 ft. bale elevator; dump truck bed with hyd hoist mounted on dual wheel chassis; Ford 3 pt. 2 row corn planter with insecticide hopper and fertilizer boxes; Little Giant rollaway elevator; IHC fast hitch 3 - 14" bottom plows; Oliver 3 pt. #346 3-16" bottom plows with hyd reset;

3 pt hitch 10 ft chisel plow; 3 pt. scraper blade; 3 pt. Ferguson cultivator; field sprayer with fiberglass tank; 12 ft. grain auger, 3 section harrow; cultipacker; 2 fuel tanks; cement mixer; large steel cart; platform scales; tractor chains, scoring out plow; wheel weights; wagon unloading unit; Planet Jr. garden tractor; 50 gal of aluminum paint; exhaust fan; cement blocks and lintels; front end mt wood saw

2 watering tubs; jack shaft for Clay gutter cleaner; jack shaft for Acorn gutter cleaner; new tripod for 16' silo

**DAIRY EQUIPMENT**

4 Surge milker units, 6 & 10 can milk cooler, milk can rack; 50 milk cans; milk can cart; 2 stainless steel strainers, double tubs; 30 gal. hot water heater, elec. fly catcher

**HOTPOINT WASHER & DRYER - UPRIGHT PIANO**

Auctioneer's Note Most of this machinery is in good shape .some like new! Order of Sale Small items at 10 00 A M, machinery at 12 Noon. DON'T BE LATE!

CLIP & SAVE

**FRANK J. & ELIZABETH ANN HOKE**
Owners
Phone 717 — 438-3205

Dean Shull, Auct
Neidigh, Clerk
Lunch Stand Reserved

# Soil chemist helps solve potassium puzzle

DETROIT, Mich — Potassium is a basic nutrient essential for crop growth, yet its behavior in the soil has been unpredictable Its effect on yield in the sandy soils of the Atlantic Coastal Plain has been particularly puzzling In many cases plants growth on these soils fail to show a yield response to additions of fertilizer potassium

Very little is known about the rate at which potassium reacts with soil particles (its kinetics), or the energy required for this reaction to occur (the thermodynamics involved) Both are important in determining the eventual fate of added K fertilizer How fast this soluble K becomes bonded to the surface of clay minerals in the soil and the strength of this bond determine in large part how quickly the nutrient will be leached

University of Delaware soil chemist Donald L Sparks has been studying the kinetics and thermodynamics of potassium on several coastal plain soils

One of the few scientists doing basic research on the subject, he was invited to present a paper on his work during recent meetings of the American Society of Agronomy, Crop Science Society of America and Soil Science Society of America in Detroit, Michigan He also summarized what is presently known about how this essential crop nutrient behaves in the soil

Most researchers agree that soil potassium exists in four forms water soluble, exchangeable, non-exchangeable and mineral In solution form, K is either taken up by plant roots or leached In its exchangeable form it is bonded (absorbed) to the surface of soil particles

In its non-exchangeable form, it is present in vermiculites and clay minerals It also exists in mineral form in micas and feldspars

Sparks' work has shown that the structure of clay minerals in the soil largely determines the rate at which K is leached Potassium exchange for adsorption is rapid with kaolinite, while K reacts slowly with vermiculite

Coastal plain soils are high in mica and vermiculite This means that on them potassium adsorption occurs slowly Fertilizer K thus remains in solution long enough so that if it isn't taken up by plants, it can be leached

These findings run counter to the earlier research on which most theories about potassium fertilizer have been based That research dates back to the mid 1800's and was conducted on soil with a high kaolin content and thus a high adsorption rate

Based on his research on Delaware coastal plain soils, Sparks suggested that the lack of crop response to applied K on many of these soils may be due to the release of mineral K through weathering of potassium-bearing feldspars like mica and vermiculite Until now breakdown of these minerals has been thought to be too slow for this form of K to be available to plants

He said there is also evidence that the lack of response could be due to leaching of applied K into clayey subsoil horizons where it is available to plant roots, providing growing conditions are favorable

Further research on the basic nature of potassium exchange in these soils may someday make it possible to predict more accurately response from fertilizer when farmers will get a yield potassium


Close & Fresh
**Cow Dispersal**

Located just off Rt. 15 on Canoe Camp Creek Rd., 2 miles from Mansfield, PA Watch for auction arrows off Rt. 15.

**THURSDAY, DECEMBER 18**

12.30 Sharp

**75 High Grade Holsteins 75**

Most of these cows are fresh or will be fresh in the next 15 days Interstate tested, shot for shipping fever If you need fresh cows, be at this sale

**Terms: Cash or good check. Lunch Available. Sale under cover.**

Owners,
**ROD PARTHEMER & BUTCH WATKINS**

Auctioneer Arlow Kiehl
**Sales Manager Gordon Wood**
Mansfield, PA
717-549-4901

For the most in advertising coverage and preparing your sale
Call Wood's Auction Service



**COMPLETE DISPERSAL**
**SATURDAY, DECEMBER 20**
At 11:00 A.M.

1 mile from Route 706 at Rush, Pa. Rush is 10 miles from Montrose or 17 miles from Wyalusing, Susquehanna Co. Arrows!

**64 REG. & GRADE HOLSTEINS**

34 mature cows, 4 bred hfrs , 10 yearling hfrs , 15 started hfrs , 1 service bull Majority of dairy to freshen yet this winter Several fresh now On DHIA test The young cattle sired by a Son of the Elevation Bull

Preg examined and interstate charts

**MACHINERY**
**4 IH Tractors**

IH " 706", wide front, gas, 2 pt tractor, IH "706" gas, Tricycle, 3 pt Tractor; IH "656" Hydro, wide front, 3 pt gas tractor, IH " 460" Tricycle, 2 pt , gas tractor; IH 2000 loader, Gehl "800" chopper with pickup head (looks new), IH 550 chopper, 2 row head, IH #37 baler & thrower, IH Rake, IH #56 4 row planter; IH PR 1 corn picker; IH 4 bottom, 2 pt plow, IH #480 Transport Disc, Gehl #250 manure spreader with hydraulic gate and tandem axle, Gehl 2 ton grinder/mixer, Gehl Hi-Throw Blower, 3 Gehl self unloading boxes and wagons, 2 Danco pipe bale wagons, running gear, NI 36' grain & bale elevator, NH #279 Haybine, Yellow Devil 500 gal fiberglass sprayer, tractor chains, welder, Rigid power pipe tool and dies, Quantity tools; Misc found on a farm * Badger 16' silo unloader * Patz Barn cleaner with 500-600 ft chain * Lely trailer fertilizer spreader * 3250 bu. steel grain bin

**MILKING EQUIPMENT**

Zero 1000 gal Tank w/2 compressors, Bou-Matic S S 2" pipeline, washer & 8 units and Bou-Matic Vacuum Pump, Thermostor heat-saver water heater, etc.

**Terms- Cash or Good Check.**

Lunch served

Owners
**JOHN & CAROL FREDENDALL**

Jim Adriance & Sons, Auctioneers.
Montrose, Pa.
717-278-1574



Dairy
for the Good Taste



**HOLSTEIN DISPERSAL**

The undersigned, due to loss of husband, will sell on the farm "Roc-Vue" located 4½ miles northeast of Shippensburg, Cumberland, Co , Pa., or 4 miles southwest of Newville along Rte 533, leave Rte. 81 at Newville Exit or King St. Exit, on

**TUESDAY, DECEMBER 16**

Sale at 12.00 Noon

**65 GOOD GRADE HOLSTEINS**

Tested within 30 days, Preg checked Herd consists of 38 cows, 4 fresh in Nov , 7 due in Dec , 7 in Jan , bal, various stage of lactation, cows have size, good udders and are good producers, 6 bred heifers, 2 due in Dec , 3 in Jan , 1 in March, 8 heifers from yearlings to breeding age, bal from few weeks to yearlings Most of these cattle are A B S sired and carry same service inc Cappy, Mooktown Optimist, Starlite Rex, Fantastic, Thonyma Elevator, and others

**SEMEN TANK & FOLLOWING SEMEN SELLS**

Marvex, ten straws, Mollie Chief, 5, Hbg Gay Ideal, 12, Will-Try Farms Legacy, 14, Optimist, 6, Tel-View Cleo Pawnee Cappy, 6, Kil Ivanhoe Jack, 6, Fantastic, 12, Flower Citation Coronet, 8, Marksman, 8, Sar-Ben Reflection Commander, 8, Skagvale Fasea Rocket, 8, Penn Dole Ivan Joe, 12, Knob Lick Kingpin, 12, Apollo Rocket, 12, W H Ivan Van, 12, Hereford, 4

Semen sells at 1 30 P M Bring Tanks A large sale of excellent farm equipment will be held Thurs , Feb 26, 1981

**Sale Managers Note — If you need good grade Holsteins don't miss this sale.**

Terms Cash; Lunch at Sale, Sale in tent

Owner,
**MRS. WARREN MERKEL**
R D 5, Box 168 N,
Shippensburg, Pa.

Ralph W Horst,
Marion, Pa ,
Auctioneer and Sale Manager
717-532-7811



Ira. B & Ruth M. Landis

**PUBLIC AUCTION**
**Outstanding 110 Acre Lanc. County Farm**

Mt. Joy Twp.
Absolute Auction to be
Sold to the Highest Bidder
No Reserves, No Minimums

**FRIDAY, DECEMBER 19**

2 P.M.

Located along Sunny-Burn Road, Manheim, Pa., 7 miles Northwest of Manheim Take Colebrook Road through Mastersonville. Continue North to Sunny-Burn Road. Watch for sale arrrows.

**110 Acre Farm - All Tillable**

In high state of cultivation Thousands of feet of road frontage along 3 roads Two 2½ Story Dwellings, Large Frame Bank Barn

2½ story brick frame dwelling with large modern kitchen, formal dining room, large panelled den, large laundry, pantry or summer kitchen, 4 very large bedrooms & master bedroom, hardwood floors, closets, outside balcony, full bath, panelled basement, 2-car garage attached to house, oil hot water heat

50'x85' frame bank barn with 2 barn floors & tobacco scaffolding Situated to feed 85 + steers 16'x52' Star silo with large stone wall barnyard Other buildings include 30'x66' concrete block 4000 cage bird house with cooling & office room & outside feed bin Frame tobacco stripping building

2½ story frame asbestos sided dwelling with 3 bedrooms, full bath, modern kitchen, living room & dining room, 1-car garage & storage area Ideal for tenant house Also, brick school house used for storage

To inspect Farm call 717-665-3248 or auction firm

Sale by,
**IRA B. & RUTH M. LANDIS**
717-665-3248

J David Young, Manheim, Attorney

**Special Note: Terms 10% Down, balance by April 1, 1981.**

**70% Financing Available to Qualified Buyers. Speculator Buyers must arrange financing through auction form 7 days prior to auction.**

Sale Conducted by
The J Omar Landis Auction Service
J. Omar Landis & Jay M. Witman
Box 501, Apple & Roberts Sts
Ephrata, Pa 17522
717-733-7917 717-665-5735



**PUBLIC SALE**
**of Valuable Real Estate**
**SATURDAY, FEBRUARY 7**
@ 11 A M.

180+ Acre Dairy Farm. Located along Rt. 419 in Tulpehocken Twp., Berks Co., Pa 5 mi north of Rt 422 & Womelsdorf, 5 mi south of Rt 22 & Interstate 78 Rehrersburg exit.

**REAL ESTATE**

ZONING Rural, 1 acre lots Thousands of feet of road frontage on 2 roads Approx 130 acres tillable in a high state of cultivation w/48 acres in young and excellent alfalfa, 13 acres fenced pasture, 37 acres mature woods w/2 never failing streams & pond Silt loam soil, high fertility, high PH, moderately deep, well drained, level to gently sloping, base siltstone, impure limestone, grey and brown calcareous shale

HOUSE 3000+ sq ft just completely & distinctly refurbished sub-structure to finish 1st flr - kit , din rm , den, liv rm , full bath & laundry 2nd flr - 3 very large bdrms , vestibule, 2 full baths & closets 3rd flr unfinished bdrm Finished basement w/utility bath & game rm Dynatherm oil hot water baseboard heat All copper plumbing w/top line Kohler fixtures & water softener Armstrong flrs & Lees & Milikin w/w carpet throughout, incl basement Fully insulated, all storm windows & much more

OUTBLDGS All outbldgs freshly painted & in excellent repair Bank Barn 45x90 Starline Stanchions for 30 cows, 2 lg heifer pens & barn cleaner Milk house w/400 gal Mueller bulk tank, bunk feeder shed 63x33 w/3 silos attached, 20x30 Harvestore, 16x60 Star poured concrete, 14x50 H & H, all unloaders in excellent cond 3 car garage, independent 200 AMP service, house, barn & shed each w/separate breaker panels & generator hookup Exceptional water supply from 180 well

**Terms: 10% dn. day of sale, settlement on or before April 30, 1981. Inspection by appt. Call: HORNING FARM AGENCY, INC. 215-286-5183**

Terms By,
**RIDGE CREST FARMS**

Elton & Alvin Horning Auctioneers
HORNING FARM AGENCY, INC.
Main Street
Morgantown, Pa.
215-286-5183

# Using poultry manure as fertilizer

LANCASTER — Floods due to surface water or leaking waterers may have caused poultry manure to become wet. Poultry manure should be kept dry if possible during storage then spread as frequently as possible and turned down a short time later. Be sure to disc in manure 60 days or more before planting

Poultry manure can be applied to cropland as a fertilizer supplement, says Lancaster County Agent Jay Irwin

Application rates can be obtained from The Agronomy Guide or Special Circular 146, Profitable Use of Poultry Manure, which is available at the county agent's office

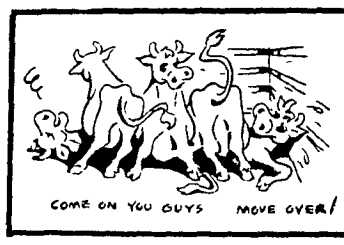
If one figures the value of nitrogen, phosphorus, and potash in a ton of poultry manure, we find a ton of fresh manure is worth at least $13 a ton, while dry manure is worth $40 or more a ton as a fertilizer In a few cases, dried poultry manure is selling for $60 per ton if it has been dried by the Bressler Stage I and Stage II drying system

Poultrymen using it on their own farms may find it helps reduce their fertilizer bills to one-fourth, says Irvin Selling surplus supplies of manure will provide extra income. Poultry manure is most valuable when dried in the poultry house before it is spread When poultry manure is dried in the poultry house, shortly after it drops, there are three major advantages

The odor of the dry manure is cut down to a very low level and is not as bothersome to neighbors

The fertilizer value of dry manure is much greater per ton than liquid or wet manure, while wet manure produces toxic gas giving bird and man an unpleasant environment This gas can be lethal

The total weight of dry manure is one-third to one-eighth the total weight of wet or liquid manure, so there is less weight to haul on the field, adds Irwin


NEED MORE ROOM? Read The Classified Real Estate Ads



# PUBLIC AUCTION

of

## Two Lancaster County Farms

**Farm No. 1: 67.198 Acre Dairy and Tobacco Farm**

**Farm No. 2: 53.625 Acre Steer and Tobacco Farm**

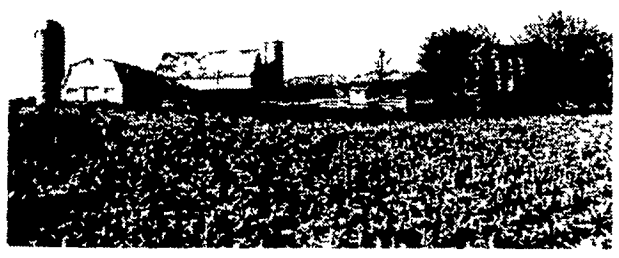
## SATURDAY, DECEMBER 20, 1980

2:00 P.M.

**Location: Just North of Denver in West Cocalico Township, Lancaster County, Pennsylvania.**

ATTENTION Make plans now to inspect these very fine farms These adjoining farms would provide a golden opportunity for the large operator or for any individual wanting to purchase just one farm Auction to be held on Farm No 1

**FARM NUMBER 1:**
**67.198 ACRE DAIRY AND TOBACCO FARM**
Limestone Soil



**2½ Story Frame Dwelling**

Containing Kitchen with built-in cabinets, large living room, family room, laundry room, 5 bedrooms and full bath, attic storage Oil hot air heat

**66 x 30 2-Story Bank Barn**

**53 x 37 2-Story Cow Barn**

With bulk feed bin and attached 14 x 15 block milkhouse 14 x 55 concrete stone silo with unloader

**66 x 25 Frame Tobacco Shed**

With stripping room and dampening cellar

**33 x 44 Frame Equipment Shed**

- Well with pressure system
- Cocalico Creek runs through pasture area
- Established shade
- Cistern

Directions To Farm Take Route 272 North from Ephrata to traffic light at Reamstown — turn left towards Denver to traffic light in Denver — turn left onto South Fourth Street to Franklin Street — turn right — go out of town to second farm on right

**AUCTION CONDUCTED BY:**

**JOHN E. and PAUL E. MARTIN**
**AUCTIONEERS**
717 - 733-3511 — 717 - 733-3305
EPHRATA, PA

**FARM NUMBER 2:**
**53.625 ACRE STEER AND TOBACCO FARM**
Gravel Soil

**2½ Story Brick Dwelling**

Containing Kitchen with built-in cabinets, formal dining room, large living room, den with open stairway, 4 bedrooms, full bath, attic storage, oil hot air heat

**69 x 42 2-Story Bank Barn**

**40 x 36 Frame Tobacco Shed**

**30 x 29 Equipment and Corn Shed**

**20 x 17 Corn Shed**

**Frame 2-Car Garage**

- Wire Corncrib
- Several other small buildings
- Well with pressure system
- Cocalico Creek runs through edge of farm
- Established shade

Directions To Farm Take Route 272 North from Ephrata to traffic light at Reamstown — turn left toward Denver - go through Denver — after crossing bridge outside of town first farm on left across from Denver Park

**AUCTION BY ORDER OF:**

**MAHLON N. ZIMMERMAN**
R D. 2, EPHRATA, PA
717 - 859-1127

**HARTMAN, UNDERHILL & BRUBAKER, ATTORNEYS**
**GEORGE BRUBAKER, ATTORNEY**

NOTE Inspection of dwellings at Open House Saturday, December 6 and Wednesday, December 10 1980 from 12 00 noon to 3 00 p m Inspection of balance of farm anytime For transportation or a personal showing call Paul E Martin, Auctioneer at 717 - 733-3305 All information in this ad is believed to be accurate, but is being used for advertising purposes only

TERMS 10% down day of Auction, balance at final settlement on or before April 1 1981


# Public Sales Register

**Closing Date - Monday, 5 00 P M of each week's publication**

## DECEMBER

SAT DEC 13 1 00 P M Public Sale of Real Estate, Located approx 12 miles south of Harrisburg, PA Take Exit 13 Off I 83, West on Rt 382, 2 miles to York Rd , turn left and proceed ¾ mile to Miller Rd , turn left ¼ mile to Parcels of Land K D Williams Owner Lee Dockey Auc tioneer

SAT DEC 13 2 00 P M Public Sale of Real Estate Located in Salisbury Twp , Lan caster Co PA Samuel E and Rachel L Stoltzfus Steve Petersheim and Everett Kreider Auctioneers

SAT DEC 13 1 00 P M Public Sale of Valuable Real Estate, Modern Home and Buildings Located at 2600 Siegrist Rd , 6 miles east of Lancaster off Rt 340 Owner Florence Groff Ron Funk Auctioneer

SAT DEC 13 11 30 A M Public Sale of New Quilts New & Used Furniture Benefit Schoeneck Volunteer Fire Co Take Rt 272 north from Ephrata to Schoeneck Rd follow Schoeneck Rd to Village of Schoeneck, Lancaster Co , PA John E & Paul E Martin and Horning Farm Agency Auc tioneers

SAT DEC 13 9 30 A M Public Sale of Restaurant Equipment Office Equipment Etc Located at the Hanover Diner Restaurant Carlisle Street Extended, Hanover, PA along Rt 94 north and 3 miles south of Cross Keys Dewey and June James R E Kehr Auctioneer

SAT DEC 13 4 00 P M Ridge Way Auctions Emeline S Hevel Estate of Household and Antiques Located Rd 1 Palmyra, PA north on Railroad St west on Ridge Rd Ralph B Heisa, Auctioneer

SAT DEC 13 - 9 30 A M Auc tion of Farm Equipment and Household Held in Benton, Rd 2, on Rt 487 north of Benton (4 miles) B B C T Co Ad ministrator for Emma Lehet and Escrow John Autotore and John Jr Auctioneers

SAT DEC 13 9 00 A M Public Sale of Equipment Located at 26 Harrison Ave , Englishtown, NJ Towne Trac tor Co Managers, Jack Woot ton and John Kachmar Auc tioneers

SAT DEC 13 10 00 A M Public Sale of Personal proper ty and Antiques Located 126 Main St Bernville Berks Co , PA John H Bixler Owner Paul E Bixler and Gerald G Kramer Auctioneers

MON DEC 15 9 30 A M Con signment Sale Located at S Race St , Myerstown, Pa 17067 Sale held by Wengers Farm Machinery, Inc

MON DEC 15 2 P M Dan ville Livestock Mrket, cattle and hog auction Located Old Route 11 Danville PA Melvin M Lehman owner

FRI DEC 15 12 00 Noon Sale at New Holland Sales Stables

TUES DEC 16 12 00 Hols tein Dispersal Located 4½ miles northeast of Ship pensburg, Cumberland Co PA or 4 miles southwest of Newville along Rt 533, leave Rt 81 at Newville Exit or King St exit Mrs Warren Merkel Owner Ralph W Horst Auc tioneer and sale manager

WED DEC 17 6 P M Public Sale of New Tool for Farm, Shop, Lawn & Garden Located at Smoketown Quality Dairy Sales Barn along Rt 340, 5 miles East of Lancaster Sale by A K King Auctioneers Carl & John Diller


# PUBLIC SALE

## SATURDAY, DECEMBER 27, 1980

10:00 A.M.

**(16) FARM TRACTORS - (1) DOZER - (1) TRUCK - (40) FARM IMPLEMENTS - (1) FORKLIFT**

**Located 11 miles South of Seneca Falls, N.Y on rte. 89.**

**(16) FARM TRACTORS:** Int 4186 - Cab - Air - 3pt - PTO - - ROPS - 600 hours - excellent, Case 1470, Cab, 3 pt , low hours, nice, Farmall 856 Diesel w/2200 hours, nice, Farmall 1206 w/cab, new paint, nice, A C 5050 Diesel, 600 hours, nice, Case 1030 CK Diesel, new paint, nice, Case 930 CC Diesel, new paint, nice, J D 4320, new paint, new tires; Farmall 706 Diesel, new paint, Farmall 656 gas; J D 2020 gas utility, Long 560 Diesel, like new, M F 85 Diesel, JD 820 2 cyl Diesel w/cab, new paint; Int 460 w/loader, Farmall C42x plow

**(1) DOZER** - AC HD6 dozer, operating condition

**(1) FORKLIFT** - Case 585 Diesel, hydrostatic - 5000 lb - 14' lift

**(1) TRUCK** - 1974 Ford 8000 Louisville w/cat Diesel engine and 24' Jerr-dann rollback body, excellent, new tag-a-long trailer - 4 ton

**USED MACHINERY** - Int 720 reset plow 6x18" nice, White wing disc, like new, Int 40 blade; wheel disc, like new, Long 10' heavy offset disc, like new JD 1209 haybine, NH 467 haybine (nice), N H 451 3 pt mower used 1 season, N H 770 harvester w/2x30 cornhead & late style pickup head, wide Dunham cultipacker, IH 400 Cyclo planter 4-x Nice, Ford 2x3 pt cornplanter, J D 2x3 pt cornplanter, M F 4x3 pt plow, (2) Fox hopper blowers, Ford snow plow, Ford 3 pt blade, 18 4x34 axle duals w/lubs

**NEW MACHINERY** - 5' 3pt rotary mower 6'3 pt blade, 7'3 pt blade, cement mixer, gravity bin, 5-8-10 ton wagon gears, 12" post hole digger, 6'6" 3 pt disc, 3 pt boom poles, 4'-5'-6'-7' landscape boxes, Tarps (all sizes), mechanics tools

NOTE This is a nice selection of nice equipment - come on time because very few small items

Terms Cash or 25% sale day and balance by Jan 3rd, 1981 and prior to removal from premises A few items due to daily change

**Auctioneer: Fred Goodrich**
**Newark Valley, N Y**

Auction By Order Of

**WENGERS FARM MACH. INC.**

**For More Information Call**
**717-866-2135 (Lloyd)**
**315-549-7140 (Leon)**
**607-642-8688 (Fred Goodrich)**

# Public Sales Register

**Closing Date - Monday, 5 00 P M of each week's publication**

TUES DEC 16 1 00 P M Public Sale of Real Estate Located along Spring Hill Rd Rd 1 Kirkwood Little Britain Twp Lancaster Co PA (From Fairmont go south to Ashville Rd turn left go to Springhill Rd and turn left Clarence Howard Estate Howard Shaub and Roy C Probst Auctioneers

WED DEC 17 6 00 A M Public Sale of Tools for show parm masons garden and lawn Held at Smoketown Quality Dairy Sales Barn Along Rt 340, 5 miles east of Lan caster 5 west of Intercourse PA A K King Owner Carl and John Diller Auctioneers

THURS DEC 18 12 00 Noon Monthly Cow Sale at Melvin Kolb Inc Maryland Farm Woodsboro Md Tom Miller Manager

THURS DEC 18 2 P M Ar thur H Moyer Estate Absolute Public Auction of Valuable 70 Acre Farm to be sold to the highest bidder Farm located 2 miles North of Manheim along Old Line Road Sale for Arthur H Moyer Estate Helen F Moyer Executrix Sale con ducted by J Omar Landis Auc tion Service J O Landis and J M Witman Auctioneers

THURS DEC 18 12 30 P M Public Sale of Holsteins Located in Chaffee NY 35 miles south of Buffalo 5 miles south of Buffalo, 5 miles nor thwest of Arcade 9 miles east of Springville on Rt 16 Robert Gable and Family Owners William Kent Inc Sale manager and Auctioneer

THURS DEC 18 12 30 P M Public Sale of 75 High Grade Holsteins Located just off Rt 15, on Canoe Camp Creek Rd 2 miles from Mansfield PA Rod Parthemer and Butch Watkins Owners Auctioneer Arlow Kiehl Sale Manager Gor don Wood

FRI DEC 19 2 P M Ira B & Ruth M Landis Public Auction of Outstanding 110 Acre Lanc Co Farm Mt Joy Twp Located along Sunny Burn Road Manheim, Pa 7 miles Northwest of Manheim Take Colebrook Road through Mastersonville Continue North to Sunny Burn Road Watch for sale arrows Sale conducted by The J Omar Landis Auction Service J Omar Landis and Jay M Wit man Auctioneers

FRI DEC 19 - 1 30 P M Real Estate Auction Rd 1, Ship pensburg Cumberland Co PA Mr & Mrs Paul L Nuschke Farm John B Niesley Real Estate

SAT DEC 20 6 30 P M Dan ville Livestock Market horse sale Located Old Route 11 Danville PA Melvin M Lehman owner

SAT DEC 20 2 P M Public Auction of Two Lancaster County Farms (1) 78 Acres (2) 53 acres adjoining Location West Cocalico Twp , Lancaster County Pa Mahlon N Zimmer man Owner Sale by John E Martin and Paul E Martin Auctioneers

SAT DEC 20 10 00 A M Public Sale of Valuable Real Esate Household Goods and Antiques, Located ½ mile south of Rt 23 and S Groff dale Rd between New Holland and Leola Real Estate at 2 Terms by Elvin A & Fannie F Stoltzfus Auctioneer Robert E Martin 717 656 7770

SAT DEC 20 10 00 A M Public Sale of Real Estate Household Goods and Anti ques, Located ½ mile south of Rt 23 on South Groffdale Rd between New Holland and Leola PA Terms by Melvin A and Fannie F Stoltzfus Robert E Martin Auctioneer

SAT DEC 20 11 A M Public Auction Green Meadow Farms Hildebidle & Township Line Rd , Collegeville Pa Sale by Order of Earle Hahn Ex ecutor Don Ostrander Auc tioneer

SAT DEC 20 11 A M Com plete Dispersal of 65 Holstein Cows and Heifers Machinery and Milking Equipment on the De ine Ridge Road, 1 mile fr m Route 706 in Rush Pa trose Susquehanna County Sale by John and Carol Freden doll, Owners Jim Adriance and Sons Auctioneers

SAT DEC 20 2 00 P M Public Sale of Real Estate located along Snyder St (Between Denver Mennonite Church and Kurtz Precast) East Cocalico Twp Lancaster Co PA Terms by Irvin B Martin and Lucy W Martin T Glenn Horst and Timothy G Horst Auctioneers

SAT DEC 20 10 00 A M Public Sale of Large Potato Equipment Located J & B Potato and Grain Farms and Briggs Boros Perrineville Rd , Hightstown NH Lee Parker Auctioneer

SAT DEC 20 11 00 A M Public Sale of Farm Machinery Located 3½ miles south of Chesapeake City (Rt 213) turn right (west) at Coyots Corner (Towne Point Rd and Port Her man Rd ) 2½ miles to farm Elkview Farm Owner Harry Rudnick & Sons Inc Sale Managers and Auctioneers

SAT DEC 20 1 P M Happy Acres Farm Bred Gilt & Boar Sale To be held at the Seneca Livestock Marketing Coop 4 miles South of Waterloo NY on NY Rt 96 Auctioneer Harry Bachman

TUES DEC 23 6 P M Farmersville Auction In Farmersville 3 mi East of Brownstown Lancaster Coun ty PA John J Rutt Auc tioneer

TUES DEC 30 2 P M Public Auction of 33 acre farm by Ver na W Horning located 1¹ miles North of Fivepointville 2 miles West of Bowmansville ½ mile off Route 897 along Woodlyn Drive Frank and Paul Snyder Auctioneers

TUES DEC 30 10 00 A M Public Sale of Farm Machinery Dairy Equipment Etc Located in Perry Co 12 miles southwest of Millerstown and 1½ miles southwest of Ickesburg along Rt 17 Coming from Millerstown get off Rt 322 and 22 and follow Rt 17 to sale Rt 74 north from Carlisle will bring you to Ickesburg Frank J and Elizabeth Ann Hoke Owners Dean Shull Auct

## JANUARY

SAT JAN 3 Avoca (Steuben Co ) New York Auction of Ultra Modern Potato and Warehouse Equipment to settle the business estate of Carlton F Stowe Inc 607 566 2247 Auction by Pirrung Auc tioneers Inc Wayland N Y 716 728 2520

WED JAN 7 12 30 P M Public sale of Holsteins Mules, Harness and Bridles Located off Rt 54 4 miles from Washingtonville 11 from Dan ville, 11 from Turbotville 15 from Muncy 30 from Williamsport Watch for auc tion arrows off Rt 54 in Washingtonville John and Bar bara Stoltzfus Owners Gordon Wood Sale Manager

THURS JAN 8 11 00 A M Public Sale of Holstein and Dairy Equipment location Womelsdorf Rd 1 along Rt 419 2 miles north of Rt 422 3 miles north of Womelsdorf 20 miles west of Reading, 6 miles south of Rt 78 Interstate J Hershey and Anna Mary Myer Owners Auctioneers J Everett Kreider and Steve Petersheim

THURS JAN 8 12 00 Noon Monthly Cow Sale at Melvin Kolb Inc Lancaster Farm 2220 Dairy Road, Lancaster Pa Dennis Kolb Manager

FRI JAN 9 1 00 P M 59th Annual Winter Sale Held at the Farm Beavertown, PA Reno & Park Thomas and Mark Stehr Owners Dan Baker Auc tioneer

SAT JAN 10 10 A M Public Sale of Household Goods & An tiques Located 7 miles East of Lancaster off Rt 30 on S Ronks Rd Terms by Christ F & Lydia S King Auctioneers Steve Petersheim & Everett Kreider


# PA. ALL BREED BRED GILT SALE

## JANUARY 11-12, 1981

**Farm Show Building**

**Harrisburg, PA**

**For Information Contact:**

**BERKS:**
**Arlie Cornbower**
RD#1, Box 41
New Freedom, Pa 17349

**CHESTERS:**
**Charles Griest**
RD#1
Abbottstown, Pa 17301

**DUROC:**
**Kenneth Fetterolf**
RD#1
Centre Hall, Pa 16828

**HAMPSHIRE:**
**Charles Baumgardner**
Annville, Pa 17003

**LANDRACE:**
**Larry Brown**
RD#3 Box 422
Elizabethtown, Pa 17022

**POLANDS:**
**Keith McConnell**
Box 46
Volant, Pa 16156

**SPOTTED:**
**Clair Hartman**
Box 222
Gratz, Pa 17030

**YORKSHIRE:**
**Leon Arnold**
RD7 Box 705
Lebanon, Pa 17401

**Auctioneer: Harry Bachman, Annville, Pa.**
**Sponsor-Pa. Co-op Swine Breeders Assn.**



# Good's Auction

**111 North Maple Ave.**
**Leola. PA**

**Hay, Straw & Grain Sales**
Every Wednesday
12:00 Noon

**Farm Machinery**
First and Third Wednesday
January thru November
starting at 9:00
With 6 Auctioneers

**Tools and Hardware**
**Lawn & Garden Equipment**

12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

**DAVID H. GOOD & SONS**

**RD 1 Leola, PA 17540**
**717-656-9558**

Fruit Man with all kinds of Fruit, Fish, Oysters direct from Florida will be at Good's Auction
**WEDNESDAY, DECEMBER 17**
**from 10 - 3**



Arthur H. Moyer Estate

# ABSOLUTE PUBLIC AUCTION

**VALUABLE 70 ACRE FARM**
to be sold to the
HIGHEST BIDDER
NO RESERVES, NO MINIMUMS

**THURSDAY, DECEMBER 18, 1980**
2 P.M

Located 2 miles North of Manheim, along Old Line Road.

Farm consists of hundreds of feet of road frontage along Old Line Road Farm has 2½ story frame dwelling with aluminum siding, converted into two modern apartments that can easily be reconverted to one farmhouse Large 5-bay frame bank barn with other buildings Two 2-car garages

Terms 10% Down, balance by February 15

Sale for
**ARTHUR H. MOYER ESTATE**
Helen F. Moyer, Executrix

Inspection at property on Saturday November 29 and December 6 from 12 to 4 or by appointment by calling 717-665-2773 or auction firm

Atty· Charles W Sheidy
Sale Conducted By
J Omar Landis Auct Ser
J O Landis & J M Witman
717-733-7917 665-5735



# PUBLIC AUCTION

GREEN MEADOW FARMS
Hildebidle & Township Line Rd , Collegeville, PA

**SATURDAY, DECEMBER 20**
11 00 A M

**LIVESTOCK**

15 head Registered Texas Longhorn cattle, one 4 yr old bull, 2 steers, 3 cows, two first calf heifers, two bred heifers, one heifer calf, 4 bull calves, two crossbred bull calves This is Pennsylvania's only Registered Texas Longhorn herd

**FARM MACHINERY**

469 NH haybine, 336 JD baler with kicker, 16 IH side rake, two bale wagons, flatbed wagon, wagon running gear, Maywrath 40' elevator, IH 350 spreader, Case bulldozer, Case 3 bottom mounted plow, JD model FB grain drill, JD model AW transport disc, Brillion cultipacker.

**MISCELLANEOUS EQUIPMENT**

John Wood 200 PSI compressor, belted conveyor, cattle squeeze chute, Century field sprayer, 1973 Rawhide 16' stock trailer, post hole auger - 3 pt. hitch, 1970 250 Ford camper special, Army surplus trailer, quantity of walnut cabinet lumber, feed carts & miscellaneous items including a 6 ton bulk feed bin

Sale to be held rain or shine in indoor arena.
Terms - Cash or good checks, no out of state checks.

Sale By Order Of
Executor
**EARLE HAHN**

Don Ostrander Auctioneer
For Information call Ken Warfield - 215-489-9730
Owner & Auctioneer not responsible for Loss or Accident

# Public Sales Register

**Closing Date - Monday, 5:00 P.M of each week's publication**

JAN 11 12 PA will Breed Bred Gilt Sale Held at the Farm Show Building, Harrisburg, PA Harry Bachman Auctioneer PA Co op Swine Breeders Assn Sponsors

THURS JAN 15 12 00 Noon Monthly Cow Sale at Melvin Kolb Inc Maryland Farm Woodsboro Md Tom Miller, Manager

SAT JAN 17 10 00 A M Public Sale of Valuable Antiques, Held at the Guernsey Sales Pavilion on Rt 30 6 miles east of Lancaster PA Sale by Elmer H Buckwalter Ira Stoltzfus and Son and Jay Leary Auctioneers

TUES JAN 27 Public Sale of Farm Equipment Located at Indian Run Rd , 1 mile east of Mt Aire John Hoover Owner Nevin Z Martin and Lewis B Groff Auctioneers

FRI JAN 30 10 A M Special Draft Horses and Mules Sale at New Holland Sales Stables

## FEBRUARY

SAT FEB 7 - 11 00 A M Public Sale of Real Estate, Located along Rt 419 in Tulpehocken Twp , Berks Co , PA, 5 miles north of Rt 422 and Womelsdorf 5 miles south of Rt 22 and Interstate 78 Rehrersburg exit Ridge Crest Farms Owners Elton & Alvin Horning Auctioneers Horning Farm Agency Inc

FRI FEB 13 - 10 A M Special Draft Horses and Mules Sale at New Holland Sales Stables

SAT FEB 14 11 00 A M Special Horse Sale at the Belleville Livestock Market Belleville, PA Selling all kind of horses & mules

THURS FEB 19 Public Auction of Farm Equipment Located at 96 Zartman Mill Road, Lititz, Pa Henry Z Horning, Owner John E and Paul E Martin, Auctioneers

FRI FEB 20 Public Sale of Farm Machinery and Whatnots Located 2 miles south of Rt 23, between New Holland and Leola, turn off Rt 23 on S Groffdale Rd , turn left on Musser School Rd terms by Elias S Beiler, Robert E Martin & Son 656 7770 and Frank L Steller and Blaine Rentzel Auctioneers

SAT FEB 21 10 30 A M Public Sale of Farm machinery household goods Ford 5000 Diesel, 574 Int Diesel Located in Lancaster Co , PA , 2½ miles South west of Gap From Route 30 at Vintage go South on South Vintage Rd to 2nd crossroad, turn left, first farm on left Terms by General Repair Shop Gideon L Fisher Ronks, RD #1 Box 108, Pa , Steve Petersheim • Everett Auctioneers

FRI FEB 27 10 A M Special Draft Horses and Mules Sale at New Holland Sales Stables

2-Day (Montour Co ) Sale FRI FEB 27, 1981 Sale of Reg and Gr Holsteins, 100 Head, Mostly Home Raised SAT FEB 28, 1981 Full Line of Farm Equipment Located just off Rt 54 near Turbotville, Pa Owners Rudy Hostetler & Sons Auctioneers Carl and John Diller and J Everett Kreider

SAT FEB 28 Public Auction of Farm Equipment & Household Goods Located along Swamp Ridge Rd just North of Schoeneck at R D 1 Stevens Pa Sale by Mary S Hoover John E & Paul E Martin Auctioneers

## MARCH

FRI MAR 6 9 30 A M Spring Machinery Sale Held at Belleville Livestock Market, Belleville PA

FRI MARCH 6 10 A M Public Auction of Livestock Farm Equipment, Household Goods and Antiques located on Belmont Road 1 mile South of Intercourse 1½ miles North of Rt 30, Lancaster County, Pa Sale by Elam R Petersheim Paul Snyder and Larry L Martin, Auctioneers

SAT MAR 7 Public Auction of Farm Machinery and Household Goods by Amos Z Newswanger, located 1 mile south of Churchtown along Boot Jack Road Frank and Paul Snyder Auctioneers

SAT MAR 7 - 17th Annual Bart Twp Fire Co Sale Held at the Fire Hall Bart PA

FRI MARCH 13 10 A M Special Draft Horses and Mules Sale at New Holland Sales Stables

SAT MAR 21 11 00 A M Special Horse Sale at the Belleville Livestock Market, Draft Horses, drivers, mules

THURS MAR 26 9 00 A M Annual Spring Public Sale at the Mel Stoltzfus Farm, Located in Centre Co , about ¼ mile west of Rebersburg PA Glick, Gibboney and Snyder Auctioneers

THURS MAR 26 9 00 A M Public Auction of Shop tools, farm machinery Located in Lancaster Co Pa ½ mi North Gordonville 1 mile West of Intercourse on Old Leacock Rd turn South off Rt 340 at Esso Station onto Old Leacock Rd ½ mi to sale Terms By General Repair Shop Gideon L Fisher, Ronks, RD #1 Box 108 Pa

## APRIL

WED APR 8 Easter Lamb and Goat sale at the Belleville Livestock Market Belleville, PA

FRI APRIL 10 10 A M Special Draft Horses and Mules Sale at New Holland Sales Stables

SAT APR 18 Public Sale of Lawn & Garden Equipment Sale for Lawn Care of PA, Daniel Z Martin Martindale, PA Kline & Kreider Auctioneers

FRI APR 24 Spring Heifer Sale 250 300 head of Registered and grade Holstein heifers springers, bred and open, held at the Belleville Livestock Market, Belleville, PA

SAT APRIL 25 15th Colonial Charolais Spring Sale Location Winchester Auction Market, Winchester, VA Managed By Buzz Garey 100 Walnut Lane Morrisville PA 19067

**NOTICE**

**To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.**

## MAY

SAT MAY 2 Hubert Charolais Ranches SALE a dispersal of the Missouri division, at the ranch Richards, Missouri Sale managed by Buzz Garey 100 Walnut Lane, Morrisville, PA 19067

FRI MAY 8 7 P M Driving and Riding Horse Sale at New Holland Sales Stables

SAT MAY 16 Royal Charolais Annual Bull Sale and Royal Female Sale Location at the farm, Greensburg, PA Managed By Buzz Garey, Garey Cattle Sales, Inc 100 Walnut Lane, Morrisville PA 19067

## JULY

SAT JULY 11 COLONIAL INVITATIONAL, at Bratton Charolais Farm (Raymond Bratton, owner), McVeytown, Pa Sale sponsored by the Colonial Charolais Association Sale managed by Buzz Garey 100 Walnut Lane Morrisville PA 19067

## OCTOBER

SATURDAY OCTOBER 3, 1981 Wesson Charolais Production Sale at the ranch at Koshkonong Missouri Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067


**DEALER IN ALL KINDS OF LIVESTOCK**

**Also Crippled & Down Cattle**

**MARLIN S. IRWIN**

**Quarryville, PA**

**Ph: 717-786-3016**

**ATTENTION FARMERS & DAIRYMEN**

**4-D Cattle Service. We use down, disabled, crippled cows or cows with calving problems.**
**Slaughtered under federal inspection.**
**Prompt payment & prompt service**
**Call collect anytime**
**717-272-6848**
**ask for Barbara**

# SPECIAL HOLSTEIN SALE

## AT MEL KOLB, INC.

## MARYLAND FARM

## THURSDAY, DECEMBER 18, 1980

**at 12:00 Noon**

We wish you a MERRY CHRISTMAS and a HAPPY NEW YEAR!

**FREE LUNCH** For All Dairy Farmers at 11 00 a m ! All You Can Eat!
Everyone That Buys A Cow Receives a **FREE TURKEY**

**LOCATION: At my Maryland Farm, ½ mile Northwest of Woodsboro on Route 550 in Frederick County.**

**150 Head of HOLSTEINS hand picked by us personally 150**

These cows were selected from some of the better herds from several states We try to buy the best and leave the rest There will be good cows from Wisconsin, Minnesota, Maine, New Hampshire, Vermont, New York, Pennsylvania, and Maryland We spent a lot of time and money to put this fine group together

There will be 75 Purebreds of the finest quality Several classified and with D H I A Records They are picked from top herds Some of these cows are milking up to 100 lbs per day 25 Big Purebred first calf heifers, fresh, milking up to 75 lbs per day

Also 50 big fancy grade cows, just fresh or close to freshening 25 fancy grade first calf heifers, just fresh 25 good grade heifers close to freshening Several top Purebred heifer calves will be sold

This is a special time of the year for the entire KOLB organization We want to thank everyone for their friendship and for their patronage during this past year Please, dairy farmers set this date aside and come to see our great selection of fine cattle

All Dairy Farmers come early! Get all you can eat and receive a free turkey when you buy a cow!

Attention Lancaster County Amish If you need a ride to this sale, call 569-2106 or 569-6800 before 12 00 noon, Wednesday, Dec 17th and someone will pick you up

Thank You,
**MEL KOLB**

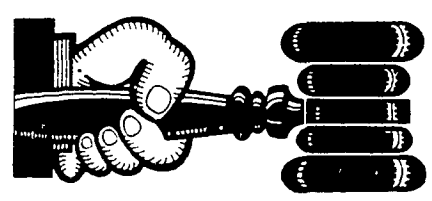
No Sale At Lancaster
January 1 Rescheduled
for January 8

**May Everyone Have A Joyous Holiday Season!**

MD Farm
11342 Woodsboro-Cragerstown Road
Woodsboro MD 21798
301 898 7720

Home Farm
2220 Dairy Rd
Lancaster, PA 17601
717 569 2106
569 6800

Robert Mullendore-Auctioneer
Henry Kettering-Pedigrees
Mehrle Wachter-Clerk

## AUCTIONEER'S DIRECTORY


**AUCTIONEERS**
**FRANK & PAUL SNYDER**
Livestock, Farm Equipment, Household Goods, Antiques
No sale too small or too large
717-859-2688
717-733-7052

**C. H. WOLGEMUTH**
RD#2, MANHEIM, PA
**AUCTIONEER**
Member of
COMPLETE AUCTION SERVICE
CALL
717 665 5664

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IN HOLSTEIN AND GENERAL FARM SALES
**BOB KAUFFMAN**
Auctioneer
Licensed & Bonded
RD 1, Elizabethtown, Pa 17022
Phone 717-367-3550
**JAY HOWES**
Pedigrees
Box 81, RD 1,
Warriors Mark, Pa
Phone 814-692-8980

FOR COMPLETE SERVICE CALL
**JOHN E. MARTIN**
RD1, Durlach Road, Ephrata
733-3511 or
**PAUL E. MARTIN**
Stevens, RD1, Box 561
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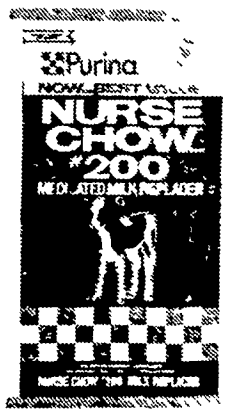
Dairy & Farm Machinery Sales, Real Estate
-Public or Private Sale
Complete Professional Auction Service with Tent Available

# NEW NURSE CHOW® 200™ MILK REPLACER

## TOP PERFORMANCE — LOWEST PRICE




**$23.00 *** 50 Lb. Bag

**New Nurse Chow 200 is considered Purina's best value milk replacer. A combination of proteins deliver great performance and great value. Two antibiotics help fight scours problems.**

* Prices are subject to change based on market conditions

**See Your Purina Dealer For Details**

---

### CALF STARTENA Promotes Rumen Development... Adds Up To 15% More Growth In The First 60 Days, Compared To A Conventional Calf Starter Ration.

Nothing gets calves growing faster than Calf Startena. Why? As a result of new information in rumen research, Purina found a way to make the protein and energy in dry feed more available. So calves make a more efficient use of Calf Startena ..turning more of it into true body development

The result is an increase in feed efficiency of up to 12% And up to 15% faster growth rate That's compared to a conventional calf starter.

Calf Startena provides the right combination of nutrition and energy in a palatable form that aids early rumen development. It's aimed at getting the calf ready to make the most of her first roughage later on

---

# FREE 3-BLADE CHECKERBOARD POCKETKNIFE

**Compliments of Your Purina Dealer**

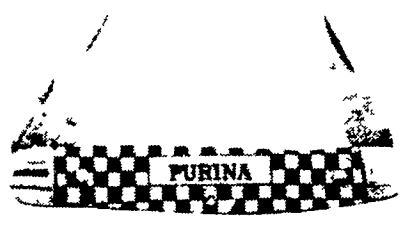
*(This offer good Nov. 17th thru Dec. 19th)*

## 6 CALF PROGRAM

**3 - 50 lb. Bags Nurse Chow 200**

**17 - 50 lb. Bags Calf Startena**

You will receive absolutely free, compliments of your Purina Dealer, a 3-Blade Checkerboard Pocketknife with each purchase of the "6-CALF PROGRAM" (3-50 lb. bags Nurse Chow 200, 17-50 lb. bags Calf Startena). On Purina's Calf Starting Program 0-2 months old you feed each calf 25 lbs. of Milk Replacer and approximately 140 lbs of Purina's Calf Startena. No other feed or hay is needed for the first two months. Clean fresh water should be available at all times. Let your calves show you the benefits that Purina Research can mean to your calf raising program.




**Contact Your Purina Dealer Listed Below!**

☐ I Want To Know More About Purina's Calf Program

Mail to: PURINA
Box 366 S
Lititz, PA 17543

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____

**HESS MILLS**
PHONE 717 442 4183
717 768 3301
PARADISE PA 17562

**HIGH BROS.**
PHONE 717 354-0301
GORDONVILLE PA 17529

**KEYSTONE MILLS**
John B Kurtz
PHONE 717 354 4616 717 738 1088
RD3 EPHRATA PA 17522

**Anthony's Feed Mill**
PHONE 215 488 6211
STRAUSSTOWN PA 19559

**WEST WILLOW FARMERS ASSN., INC.**
PHONE 717 464 3386
WEST WILLOW PA 17583

**McCRACKEN'S FEED MILL, INC.**
PHONE 717 665 2186
2 NEW CHARLOTTE ST MANHEIM PA 17545

**M. G. HENNINGER & SON, INC.**
PHONE 717 362 3333
BERRYSBURG PA 17005

**UMBERGER'S MILL**
PHONE 717 867 5161
FONTANA PA 17042

**K & K FEED, INC.**
PHONE 717 866 2324
23 N PARK ST RICHLAND PA 17087